

Close Out Documents

AP-70: 4621 Clayton St.

Asbestos Abatement and Structural Demolition

Prepared for:

Kiewit Infrastructure Co.
Attn: Jenn Bradtmueller
160 Inverness Drive West, Suite 110
Englewood CO 80112

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1. Closeout Letter

December 26, 2018

Kiewit Infrastructure Co.
160 Inverness Drive West, Suite 110
Englewood, CO 80112

Re: SSCR AP-70 4621 Clayton St.

Dear Kiewit Infrastructure Co.

This letter is confirm that all the work associated with the asbestos abatement and demolition of the structure located at 4621 Clayton St. Denver, CO 80216, also referred as parcel AP-70, is complete.

The scope of work included the removal of Regulated Building Materials (RMBs), asbestos abatement, demolition of a 1,710 square foot structure, and the removal of the curb and driveway.

This document has been prepared to furnish you with key documents associated with this project for your records.

On behalf of the JKS Industries team, we would like to extend our appreciation to working with you on this project and look forward to working with you in the future.

Regards,



Jeffrey Knight,
President

2. CDPHE Asbestos Abatement Permit

Colorado Department of Public Health and Environment
Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

ASBESTOS ABATEMENT PERMIT

This permit is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008, the Colorado Air Pollution Prevention and Control Act (25-7-101 or 25-7-501 et seq., C.R.S.) and the following provisions. It is only for the purpose of allowing asbestos abatement.

ADDITIONAL PERMIT PROVISIONS:

By performing work under this permit the abatement contractor agrees that the Division may revoke or suspend this permit should the Division find that the contractor:

- has violated or has aided and abetted in the violation of 25-7-101 or 25-7-501 et seq., C.R.S. or Regulation No. 8, Part B, or an order of the Division or Commission,
- has failed to meet any permit and notification requirement or failed to correct any violations cited by the Division during any inspection within a reasonable period of time, as may be determined by the Division,
- has used misrepresentation or fraud in obtaining this permit, or,
- has committed any act or omission which does not meet generally accepted standards of the practice of asbestos abatement.

As a contractor, you may be subject to other licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

THE ORIGINAL PERMIT MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This asbestos abatement permit is valid beginning 8/13/2018 through 11:59 PM on 9/11/2018.

The actual scheduled work dates are from 8/13/2018 through 8/30/2018.

Approval issued on: 7/20/2018

Record number: 139853

Notice Number: 18DE4759A

Variance: None

Comments: None

For the location specified below:

**AP-70 Residential
Main Floor Bedrooms & Living Room
4621 Clayton St
Denver
Denver County**

Fee paid: \$400.00

Check number: 5118

Project Supervisor:

Andre M. Williams

Cerification No.: 15776

Project AMS:

Logan Greenfield

Cerification No.: 20715

Project Manager:

This permit has been issued to:

**JKS Industries, LLC
747 Sheridan Blvd Unit 9A
Lakewood, CO 80214**

Issued by: TS





Colorado Department
of Public Health
and Environment

ASBESTOS/DEMOLITION NOTIFICATION and PERMIT MODIFICATION FORM

Submit form to:
Permit Coordinator
Colorado Dept. of Public Health
and Environment
APCD-IE-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
asbestos@state.co.us

Name of Facility: AP-70 Residential	Facility Location: 4621 Clayton Street Denver, CO 80216		
GAC/Consultant: JKS Industries	Phone # (303) 238-0207	Fax # (303) 238-0452	
E-mail Address: rdomingo@jksindustries.net		Permit Number (if already issued): 18DE4759A	

Please check the appropriate box(es) in A, B and C, as applicable:

- A. Upgrade to 30-day permit 90-day permit 1-year permit
- B. Request to cancel above notice/permit. (All but \$80 of the application fee will be returned. If you paid by check or money order, a state of Colorado Warrant will be mailed to the company appearing in the contractor box on the application. If you paid by credit card, a credit will be issued to, the same account used to pay for the original application fee.)

C. Change in:

- Supervisor: _____ Certification # _____
- A.M.S.: _____ Certification # _____
- Project Manager: _____ Certification # _____
- Start Date: _____ End Date: 9/20/2018
- Work Times: _____ Disposal Site: _____ County: _____
- Additional Scope of work (include type of ACM, quantity, location in or on facility and work practices):

_____ The AMS was on contract hold to perform visual inspection on 9/14/2018.

I certify that I am the person authorized to sign this modification on behalf of the General Abatement Contractor and that all statements made in this modification are, to the best of my knowledge, correct and complete. (Note: Making false statements on this application constitutes second-degree perjury as defined by 18-8-503 C.R.S., and is punishable by law.)

Ruben Domingo

9/21/2018

Authorized Representative Signature

Date

Ruben Domingo
Printed Name

Project Manager
Position or Title

THIS BOX IS FOR CDPHE USE ONLY:

Postmark or Hand Delivery Date:	Approved By:	Code:
Form of Payment & #:	Permit #:	Record #: Date Issued:

Charlotte Adams

From: Ruben Domingo
Sent: Wednesday, January 23, 2019 11:08 AM
To: Charlotte Adams
Cc: 'Kyle.Ziegler@kiewit.com'
Subject: FW: AP-70 Former Residential 4621 Clayton Street Denver, CO 80216- Asbestos Permit Modification Start and End date
Attachments: image001.jpg

Charlotte,
I found the email chain from CDPHE for AP-70 permit modification.

Thank you,

Ruben Domingo
Project Manager
JKS Industries, LLC
jksindustries.net
[JKS Facebook](#)
303-238-0207 Office
303-238-0452 Fax
303-505-3630 Cell



From: trevor.strosnider@state.co.us <trevor.strosnider@state.co.us> **On Behalf Of** Asbestos - CDPHE, cdphe
Sent: Friday, September 21, 2018 11:29 AM
To: Ruben Domingo <rdomingo@jksindustries.net>
Subject: Re: AP-70 Former Residential 4621 Clayton Street Denver, CO 80216- Asbestos Permit Modification Start and End date

Ruben,

Received, updates made. Demolition app approved as well.

Thanks for your help,
-Trevor

Permit Coordinator
Asbestos Unit
Indoor Environment Program
Colorado Department of Public Health and Environment
P [303-692-3100](tel:303-692-3100) | F [303-782-0278](tel:303-782-0278)
4300 Cherry Creek Drive South, Denver, CO 80246-1530
cdphe.asbestos@state.co.us | www.colorado.gov/cdphe/asbestos



As of January 1, 2017, the Indoor Environment Program will not accept incomplete forms for certification, abatement or demolition. Any application with missing information may result in longer processing times or the application may be returned to you which will restart the required notification period. Please note that all submissions must be completed using forms supplied by the Division. If you need assistance, please refer to: <https://www.colorado.gov/pacific/cdphe/asbestos-forms> or <https://www.colorado.gov/pacific/cdphe/certification-and-lead-abatement-forms> or contact the Indoor Environment Program at [303-692-3100](tel:303-692-3100).

On Fri, Sep 21, 2018 at 11:19 AM Ruben Domingo <rdomingo@jksindustries.net> wrote:

Dear Trevor CDPHE Asbestos Permit Coordinator,

Please find the attached permit modification for the project as stated. The AMS was on hold due to contract. He was scheduled to perform the Final visual inspection and air clearances on 9/14/2018 but was put on hold until contract issues were resolved between All Phase and Kiewit. I will make sure to modify in the future.

Thank you,

Ruben Domingo

Project Manager

JKS Industries, LLC

jksindustries.net

[JKS Facebook](#)

303-238-0207 Office

303-238-0452 Fax

303-505-3630 Cell



From: trevor.strosnider@state.co.us <trevor.strosnider@state.co.us> **On Behalf Of** Asbestos - CDPHE, cdphe
Sent: Friday, September 21, 2018 8:39 AM
To: Ruben Domingo <rdomingo@jksindustries.net>
Subject: Re: AP-70 Former Residential 4621 Clayton Street Denver, CO 80216- Asbestos Permit Modification Start and End date

Good morning Mr. Domingo,

Received the demo permit for this address, claiming an end date of 9/20/2018. My records per the mod request above show this permit ended 9/14/2018. Please mod to correct to enable me to process the demo. Additionally, please bear in mind ALL mods should be submitted no later than the business day after the change per III.G.2 to avoid potential failure-to-modify enforcement.

Thank you,
-Trevor Strosnider

Permit Coordinator

Asbestos Unit

Indoor Environment Program

Colorado Department of Public Health and Environment

P 303-692-3100 | F 303-782-0278
4300 Cherry Creek Drive South, Denver, CO 80246-1530
cdphe.asbestos@state.co.us | www.colorado.gov/cdphe/asbestos



COLORADO
Air Pollution Control Division
Department of Public Health & Environment



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On Wed, Sep 5, 2018 at 4:22 PM Asbestos - CDPHE, cdphe <cdphe.asbestos@state.co.us> wrote:

Mr. Domingo,

Mod reviewed and approved.

Thanks,

-Trevor Strosnider

Permit Coordinator

Asbestos Unit

Indoor Environment Program

Colorado Department of Public Health and Environment

P 303-692-3100 | F 303-782-0278

4300 Cherry Creek Drive South, Denver, CO 80246-1530

cdphe.asbestos@state.co.us | www.colorado.gov/cdphe/asbestos



COLORADO
Air Pollution Control Division
Department of Public Health & Environment



As of January 1, 2017, the Indoor Environment Program will not accept incomplete forms for certification, abatement or demolition. Any application with missing information may result in longer processing times or the application may be returned to you which will restart the required notification period. Please note that all submissions must be completed using forms supplied by the Division. If you need assistance, please refer to: <https://www.colorado.gov/pacific/cdphe/asbestos-forms> or <https://www.colorado.gov/pacific/cdphe/certification-and-lead-abatement-forms> or contact the Indoor Environment Program at [303-692-3100](tel:303-692-3100).

On Wed, Sep 5, 2018 at 4:16 PM, Ruben Domingo <rdomingo@jksindustries.net> wrote:

Dear CDPHE Asbestos Permit Coordinator,

Please find the attached asbestos permit modification form for the project site above. This project was on hold because of noise ordinance from the City of Denver. We will start this project up again and should be completed by end of next week.

Thank you,

Ruben Domingo

Project Manager

JKS Industries, LLC

jksindustries.net

[JKS Facebook](#)

303-238-0207 Office

303-238-0452 Fax

303-505-3630 Cell

3. CDPHE Demolition Permit

Colorado Department of Public Health and Environment
Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

DEMOLITION APPROVAL NOTICE

This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008 and the Colorado Air Pollution Prevention and Control Act C.R.S. (25-7-101 and 25-7-501 et seq). This notice signifies that the structure was inspected for asbestos, luminous exit signs (containing radioactive material), and Ozone-Depleting Refrigerants and the demolition contractor has properly notified the Colorado Department of Public Health and Environment pursuant to Regulation No. 8, Part B.

As a contractor, you may be subject to other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division, strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

Please note that certain asbestos-containing materials (ACM) may remain in the structure during demolition. Therefore, any demolition debris left behind after the completion of post-demolition site cleanup may constitute a "reason to know of asbestos-contaminated soil" at the site, subject to the requirements of Section 5.5 of the Solid Waste Regulations (6 CCR 1007-2, Part 1).

THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This demolition approval notice is valid beginning 10/1/2018.

The actual scheduled work dates are from 10/1/2018 through 10/5/2018.

Approval issued on: 9/25/2018

Record number: 141825

Notice Number: 18DE6458D

For the location specified below:

Residential house AP-70

4621 Clayton St.

Denver

Denver County

Fee Paid: \$60.00

Check number: 5471

Asbestos Building Inspector:

Richard L. Ralston

Cerification No.: 4261

Inspection Date: 09/20/2018

This notice has been issued to:

JKS Industries, Inc.

747 Sheridan Blvd. Unit 9A

Lakewood, CO 80214

Issued by: TS





DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM
INCOMPLETE APPLICATIONS WILL BE RETURNED

(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: \$50 + \$5 per 1000 ft² of area to be demolished = \$ 60.00
(See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public
Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive
South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
Asbestos@state.co.us

Colorado Department
of Public Health
and Environment

Demolition Contractor	Company Name: JKS Industries, LLC		Building Name: Residential House – AP-70		
	Street: 747 Sheridan Blvd #9A		Square footage of footprint of facility or portion of facility to be demolished <u>1710 SF</u>		
	City: Lakewood	State: CO	Zip Code: 80214	Street: 4621 Clayton St.	
	Telephone # (303) 238-0207	Fax # (303) 238-0452	City: Denver		County: Denver
	Project Manager: Jeffrey Knight	Cell Phone # (303) 505-3630	Zip Code: 80216	Proposed Start Date 10/1/2018	Proposed Completion Date 10/5/2018
	I certify that the Certified Asbestos Building Inspector has informed me about any remaining asbestos-containing materials in the facility to be demolished.		Method/Mean of Demolition: <input checked="" type="checkbox"/> Wrecking <input type="checkbox"/> Burning [†] <input type="checkbox"/> Implosion <input type="checkbox"/> Moving <input type="checkbox"/> Other, specify:		
Signature:		Print Name: JEFF KNIGHT		† Burning requires additional authorization – Please call (303) 692-3100 and ask to speak to the Open Burning Permit Coordinator	
Landfill Receiving Building Debris: DADS					
Asbestos Removal Contractor	General Abatement Contractor (GAC) JKS Industries, LLC		Owner's Name: Colorado Department of Transportation		
	CDPHE Asbestos Permit # 18DE4759A	Total Quantity of Asbestos Removed 969 SF	Street: 2000 S Holly St.		
	Date Removal Completed 9/20/2018	Telephone # (303) 238-0207	City: Denver	State: CO	Zip Code: 80222
	Type(s) of Asbestos-Containing Material Removed: 957 SF Plaster, 12 SF Boot Duct Wrap		Contact's Name: Anthony Davito		
		Telephone # (303) 512-5900			
Certified Asbestos Inspector Certification	With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition. Specify type(s) of ACM remaining, below: (check appropriate box(es)):				
	<input type="checkbox"/> Vinyl asbestos floor tile (VAT) <input type="checkbox"/> VAT mastic <input type="checkbox"/> Tar/asphalt impregnated roofing <input type="checkbox"/> Asphaltic pipe coatings <input type="checkbox"/> Spray-applied tar coatings <input type="checkbox"/> Caulking <input type="checkbox"/> Glazing <input type="checkbox"/> Other, specify:				
	Signature: (In Blue Ink) 		Printed Name: Richard RALSTON		
	Date of Final Inspection 9/20/2018	CO Cert # 4261	Expiration Date 5/12/2019	Telephone # (719) 545-0375	Cell Phone # ()
Building Owner or Contractor	I verify that all refrigerants from air conditioning/refrigeration appliances have been properly recovered in accordance with AQCC Regulation No. 15 (for information on CFC requirements call 692-3100). I further verify that all luminous exit signs (containing radioactive material) have been disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for information on luminous exit sign requirements call 303-692-3320).				
	CHECK THE APPROPRIATE BOX:				
	<input type="checkbox"/> Building Owner	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Other	Date: 9/20/18	
Signature:		Print Name: JEFFREY KNIGHT			

THIS BOX IS FOR CDPHE USE ONLY:

Postmark or Hand Delivery Date: 9/20/18	Approved By:	Code: <input checked="" type="checkbox"/> initial-310 <input type="checkbox"/> transfer-380
Form of Payment & #: ck 5471 \$60	Permit #: 18DE4759A	Record #: 141825 Date Issued:

* Regulated asbestos-containing materials means (a) friable asbestos-containing material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly abated/removed prior to demolition.

APPROVED
DATE 9/21/18 CDPHE

SEP 20 2018

4. JKS Asbestos Certifications



Colorado Department
of Public Health
and Environment

General Abatement Contractor

This certifies that

JKS Industries, LLC

GAC No.: 18531

has met the certification requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos abatement activities in the state of Colorado.

Issued: July 18, 2018

Expires: July 18, 2019


Authorized/APCD Representative

SEAL

5. JKS Workers Asbestos Certifications

Colorado Department
of Public Health and
Environment



Supervisor

Asbestos Certification

**Andre M.
Williams**

Expires: 11/21/2018 Cert. #: 15776
Date Issued: 11/21/2017



INTERNATIONAL

Environmental and Safety Training LLC
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFICATE TRAINING

ANDREE WILLIAMS

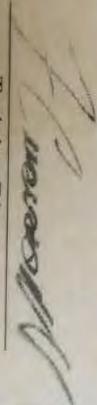
Has successfully completed
The EPA-APPROVED ASHERA ANNUAL ASBESTOS REFRESHER
COURSE for **CONTRACTOR/SUPERVISOR**
And passed the requirements examination in that discipline
This course is EPA-Approved under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 09/15/2018
No. Hours 8
Certificate No. CO091518-02ASR
Expires 09/15/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal


Training Director

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

Applicants Name Andree Williams

The above individual was seen by me on 3/19/12 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations CXR 2 @ now pending


 Examining Provider

3/19/19
 Date

Respirator Fit Test

I, Andree Williams, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 5/7/2018 Fit Test Conductor: Rabea Domingo

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage
 When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Andree Williams

Date: 5/7/18

Fit Test Conductor Signature: Rabea Domingo

Date: 5/7/2018

Colorado Department
of Public Health and
Environment



Worker

Asbestos Certification

Alex Manuel
Martinez-Coa

Expires: 6/20/2019 Cert. #:24685
Date Issued: 6/20/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

ALEX MANUEL MARTINEZ COA

Has successfully completed
The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 06/11/2018 - 06/14/2018
Exam Date 06/14/2018
No. Hours 32
Certificate No CO061418-01AWI
Expires 06/14/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Midtown Occupational Health Services
 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
 Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Alex Martinez

The above individual was seen by me on 6-18-18 in accordance to 29 CFR 1926.1101 (Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____

Examining Provider J. Raschbacher, M.D.

JUN 18 2018

Date

J. Raschbacher, M.D.
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

Midtown Occupational Health Services

2490 W 26th Ave Bld A Ste 300, Denver, CO 80219

Martinez, Alex

ID: 7900 Age: 18 (11/23/1999)

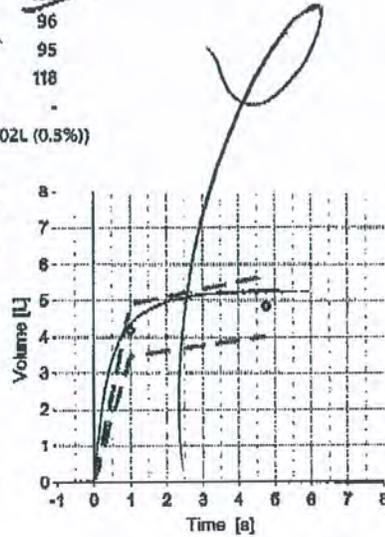
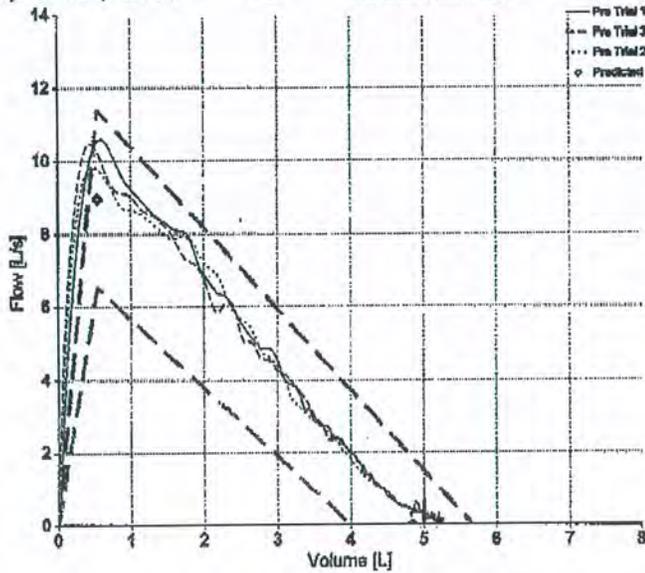
Gender	Male	Height	67 In	Asthma	No
Ethnicity	Hispanic	Weight	170 lb	BMI	26.6
Smoker	No			COPD	--

FVC (ex only)

Your FEV1 / Predicted: 105 %

Test Date	6/18/2018 11:56:53 AM	Interpretation	GOLD(2008)/Hardie	Value Selection	Best Value
Post Time		Predicted	Hankinson (NHANES III), 1999	BTPS (IN/EX)	1,10/1,02

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 1	Trial 3	Trial 2	
FVC [L]	4.84	4.00	5.27	5.26	5.24	5.27	109
FEV1 [L]	4.18	3.47	4.37	4.37	4.35	4.32	105
FEV1/FVC	0.860	0.769	0.829	0.831	0.831	0.819	96
FEF25-75 [L/s]	4.73	3.15	4.51	4.51	4.42	4.37	95
PEF [L/s]	8.97	6.54	10.61	10.61	10.48	9.84	118
FET [s]	-	-	4.8	4.8	5.8	4.9	-
Session Quality	Pre	A (FEV1 Var=0.02L (0.3%); FVC Var=0.02L (0.5%))					
System Interpretation	Pre	Normal Spirometry					



Respirator Fit Test

I, Alex Martinez Coa, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 6/21/2018 Fit Test Conductor: Ruben Domingo

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

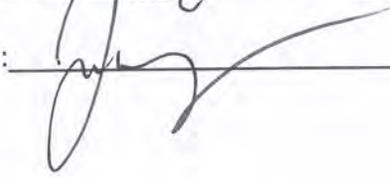
Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: 

Date: 6/21/2018

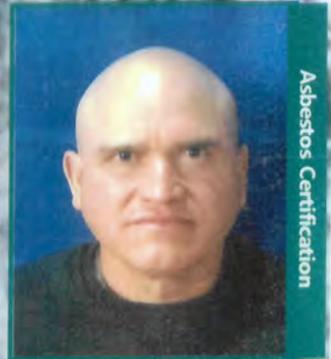
Fit Test Conductor Signature: 

Date: 6/21/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Alex Manuel
Martinez-Coronel

Expires: 6/20/2019 Cert. #:24686

Date Issued: 6/20/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

ALEX MANUEL MARTINEZ CORONEL

Has successfully completed
The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 06/11/2018 - 06/14/2018

Exam Date 06/14/2018

No. Hours 32

Certificate No CO061418-02AWI

Expires 06/14/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Alex Martinez

The above individual was seen by me on 6-18-78 in accordance to 29 CFR 1926.1101 (Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note according to CFR 1926.1101 (M)(2)(i)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

 There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

 There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____

Examining Provider

J. Raschbacher, M.D.

Date _____

J. Raschbacher, M.D.
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Midtown Occupational Health Services

2490 W 26th Ave Bld A Ste 300, Denver, CO 80219

Alex, Martinez

ID: 0506 Age: 57 (10/10/1960)

Gender	Male	Height	66 in	Asthma	No
Ethnicity	Hispanic	Weight	156 lb	BMI	25.2
Smoker	No			COPD	--

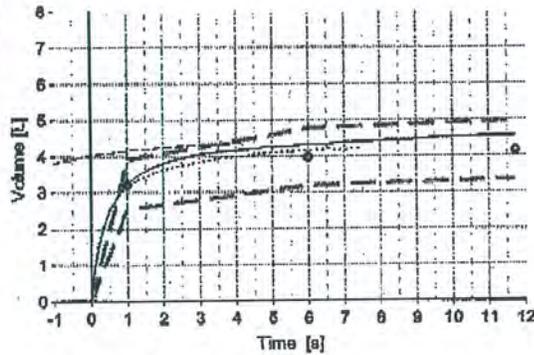
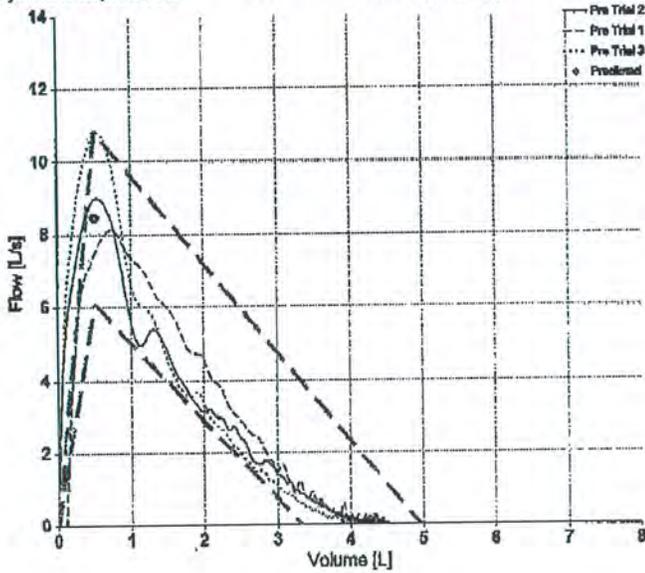
FVC (ex only)

Your FEV1 / Predicted: 105 %

Test Date	6/18/2018 12:15:39 PM	Interpretation	GOLD(2008)/Hardie	Value Selection	Best Value
Post Time		Predicted	Hankinson (NHANES III), 1999	BTPS (IN/EX)	1.09/1.02

Parameter	Pred	LLN	Pre				%Pred
			Best	Trial 2	Trial 1	Trial 3	
FVC [L]	4.15	3.34	4.54	4.54	4.37	4.18	110
FEV1 [L]	3.21	2.52	3.38	3.22	3.38	3.12	105
FEV1/FVC	0.775	0.684	0.744	0.710	0.774	0.747	96
FEF25-75 [L/s]	2.96	1.42	2.14	2.14	2.88	2.32	73
PEF [L/s]	8.45	6.09	10.79	9.01	8.12	10.79	128
FET [s]	-	-	11.7	11.7	6.8	7.3	-

Session Quality Pre C (FEV1 Var=0.16L (4.6%); FVC Var=0.16L (3.9%))
 System Interpretation Pre Normal Spirometry



Respirator Fit Test

I, Alex Martinez Coronell, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 06/21/2018 Fit Test Conductor: Ruben Dominguez

Respirator Information

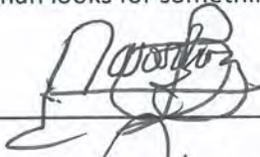
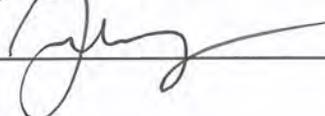
1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL MEDIUM LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

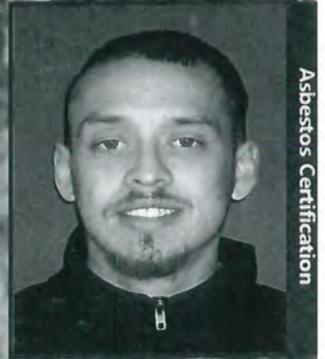
When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: 
 Fit Test Conductor Signature: 

Date: 06/21/18
 Date: 06/21/2018

Colorado Department
of Public Health and
Environment

Worker



Asbestos Certification

David
Schlote

Expires: 1/22/2019 Cert. #: 24229
Date Issued: 1/22/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

DAVID J. SCHLOTE

Has successfully completed

The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 01/08/2018 - 01/11/2018

No. Hours 32

Certificate No. CO010818-06AWI

Expires 01/11/2019

This course meets
the requirements of
AQCC Reg. #8



Invalid without raised seal

Training Director

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name David Schlotz

The above individual was seen by me on 2/14/18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations CXR B read panel

Matthew Edwards, PA.-C
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Matthew Edwards
Examining Provider

2/14/18
Date

Respirator Fit Test

I, David Schlote, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 05/07/2018 Fit Test Conductor: Ruben Dmy

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: David Schlote

Date: 05-07-18

Fit Test Conductor Signature: Ruben Dmy

Date: 05/07/2018

Colorado Department
of Public Health and
Environment



Worker

Asbestos Certification

**Deisy
Arellanos Lopez**

Expires: 4/30/2019 Cert. #:24492
Date Issued: 4/30/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

DEISY YANETH ARELLANOS LOPEZ

Has successfully completed
The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**
And passed the requirements examination in that discipline

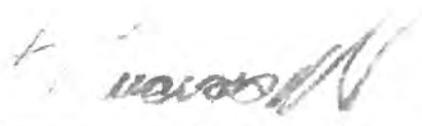
This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 04/16/2018 - 04/19/2018
Exam Date 04/19/2018
No. Hours 32
Certificate No CO041918-07AWI
Expires 04/19/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal



Training Director

Colorado Occupational Medical Partners

OSHA ASBESTOS / HAZARDOUS MATERIALS / RESPIRATOR CERTIFICATION

In accordance with OSHA regulations: _____ 29 CFR 1926.1101 Asbestos
_____ 29 CFR 1910.120(f) Hazardous Materials
/ _____ 29 CFR 1910.134(b) Respirator Certification

The examining physician will provide the employer with a written opinion which shall contain the following:

1. This is to certify that on this date: 5/3/18, and in accordance with regulations as indicate above, I have performed a comprehensive examination on Deisy Arellano, whose Social Security Number is _____
2. Based on my findings, I have determined that this individual
 MAY () MAY NOT wear a respirator device while performing his / her required work tasks, and
 IS () IS NOT medically cleared for work with () ASBESTOS
() HAZARDOUS MATERIALS
3. The results of my examination () HAVE HAVE NOT detected a medical condition which would place the employee at increased risk of material health impairment from exposure to
 RESPIRATORY EQUIPMENT () ASBESTOS () HAZARDOUS MATERIALS
4. In accordance with OSHA requirements, I have informed the above-named patient of medical conditions which could result from his / her exposure to
 RESPIRATORY EQUIPMENT () ASBESTOS () HAZARDOUS MATERIALS
5. In accordance with OSHA requirement, I have fully explained the results of the medical examination and laboratory tests to the above-named patient.

6. COMMENTS: _____

THE EMPLOYEE HAS BEEN ADVISED OF THE RESULT OF THE EVALUATION AND HAS BEEN GIVEN AN EXPLANATION OF MEDICAL CONDITIONS THAT MAY RESULT FROM ASBESTOS EXPOSURE, AND OF THE INCREASED RISK OF LUNG CANCER ATTRIBUTABLE TO THE COMBINED EFFECT OF SMOKING AND ASBESTOS EXPOSURE

The complete medical examination on the above-named individual will be forwarded to the employer pending final review and interpretation of any additional medical data collected.

5/3/18
Date


Examining Physician / Provider

Respirator Fit Test

I, Deisy Yaneth Arellanos López acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 5/14/2018 Fit Test Conductor: Rubén Arango

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL MEDIUM LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage
 When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: *Deisy Arellanos*
 Fit Test Conductor Signature: *Rubén Arango*

Date: 5/14/2018
 Date: 5/14/2018

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

**Lucia
Gaspar-Domingo**

Expires: 6/13/2019 Cert. #:24651
Date Issued 6/13/2018

INTERNATIONAL

Environmental and Safety Training L.L.C.

720 Billings Street Unit F

Aurora, Colorado 80011

Phone # (720) 859-3134

Fax # (720) 859-0660



CERTIFIES THAT

LUCIA GASPAR DOMINGO

Has successfully completed
The **EPA- APPROVED AHERA ASBESTOS COURSE** for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 06/04/2018 - 06/07/2018

Exam Date 06/07/2018

No. Hours 32

Certificate No CO060718-18AWI

Expires 06/07/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Lucia Gaspar

The above individual was seen by me on 6-28-18 in accordance to 29 CFR 1926.1101 (Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. N/A Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

FAXED
JUN 28 2018

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____ Matthew Edwards, PA.-C
 _____ Midtown Occupational
 _____ Health Services, P.C.
 _____ 2490 W. 26th Ave., Bldg. A, Suite 200
 _____ Denver, CO 80211
 _____ 303-831-9393



 Examining Provider

06-28-2018

 Date

FAXED
JUN 28 2018

Respirator Fit Test

I, Lucia Gaspar Domingo, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 7-10-18 Fit Test Conductor: Matthew C. O'Neal

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Lucia Gaspar-Domingo

Date: 7/10/18

Fit Test Conductor Signature: Matthew O'Neal

Date: 7/10/18

Colorado Department
of Public Health and
Environment



Asbestos Certification

Work
Replacement

**Paul R
Williams**

Expires: 6/8/2019 Cert. #: 19371
Date Issued: 6/29/2018

INTERNATIONAL

Environmental and Safety Training LLC
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660



CERTIFIES THAT

PAUL WILLIAMS

Has successfully completed
The **EPA- APPROVED AHERA ANNUAL ASBESTOS REFRESHER**
COURSE for CONTRACTOR/SUPERVISOR
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 05/04/2018
No. Hours 8
Certificate No. CO050418-22ASR
Expires 05/04/2019

This course meets the
requirements of
AQCC Reg. #8 Part B



Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Paul Williams

The above individual was seen by me on 6-15-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was performed:

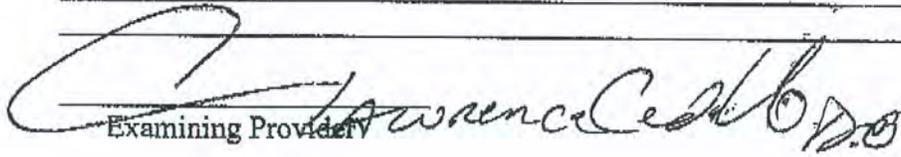
1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. Review of information from previous medical examinations, if available.
4. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____


 Examining Provider

JUN 15 2018

Date

Lawrence Cedillo D.O.
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Midtown Occupational Health Services

2490 W 26th Avenue
 Building A, Suite 300
 Denver, CO 80211

Williams, Paul

ID: 0174 Age: 50 (3/9/1968)

Gender Male Height 68 in
 Ethnicity African Weight 166 lb BMI 25.2

FVC (ex only)

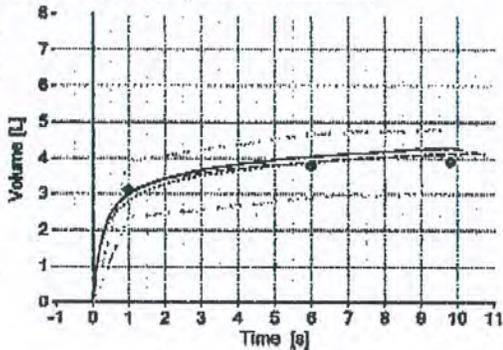
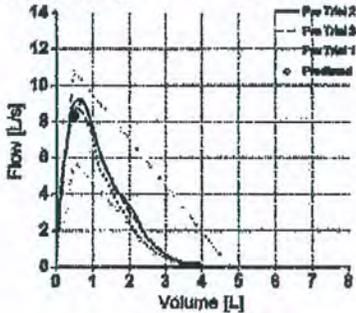
Your FEV1 / Predicted: 96%

Test Date 6/15/2018 10:48:16 AM Interpretation -- Value Selection Best Value
 Post Time Predicted Hankinson (NHANES III), 1999 BTPS (IN/EX) 1.12/1.02

Parameter	Pred	LLN	Pre				%Pred
			Best	Trial 2	Trial 3	Trial 1	
FVC [L]	3.90	3.02	4.29	4.29	4.16	4.13	110
FEV1 [L]	3.12	2.34	3.00	3.00	2.98	2.80	96
FEV1/FVC [%]	80.0	69.6	69.9	69.9	71.6	67.7*	87
FEF25-75 [L/s]	3.15	1.47	1.69	1.69	1.88	1.47	54
PEF [L/s]	8.34	5.83	9.28	9.28	8.68	9.10	111
FET [s]	-	-	9.8	9.8	10.4	9.9	-

* Indicates value outside normal range or significant post change.

Session Quality Pre B (FEV1 Var=0.02L (0.8%); FVC Var=0.13L (3.1%))



Lawrence Cedillo D.O.
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

JKS INDUSTRIES

RESPIRATOR FIT TEST

APPENDIX A – NORTH

EMPLOYEES WORKING UNDER THIS RESPIRATOR PROGRAM MUST ACKNOWLEDGE BY SIGNING THIS FORM. THEY HAVE BEEN FIT TESTED AND HAVE BEEN TRAINED FOR THE PROPER USE AND CARE OF THEIR RESPIRATOR. THEY HAVE READ AND UNDERSTAND THE COMPANY'S WRITTEN RESPIRATOR PROGRAM MANUAL.

Paul R. Williams

EMPLOYEE NAME PRINTED OR TYPED

3/26/2018

DATE OF FIT TEST

Ruben O. Dongo

FIT TEST CONDUCTOR

RESPIRATOR:

1. MANUFACTURER: North

2. MODEL: 7700M

3. SIZE: Medium

4. APPROVAL NUMBER: TC-84A-0592

IRRITANT SMOKE

[Signature]
TESTING AGENT

Colorado Department
of Public Health and
Environment



Worker



Asbestos Certification

Victor
Lerma

Expires: 2/8/2019 Cert. #: 19908

Date Issued: 1/31/2018

INTERNATIONAL



Environmental and Safety Training L.L.C.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

VICTOR A. LERMA

Has successfully completed
The **EPA- APPROVED AHERA ANNUAL ASBESTOS REFRESHER**
COURSE for **WORKER**

And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date 01/13/2018
No. Hours 8
Certificate No. CO011318-22AWR
Expires 01/13/2019

This course meets
the requirements of
AQCC Reg. #8



Invalid without raised seal

A handwritten signature in black ink, appearing to read 'F. Cuervo'.

Training Director

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

Applicants Name Victor Lerman

The above individual was seen by me on 02/12/18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

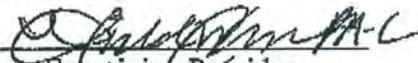
1. ✓ Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. ✓ Review of information from previous medical examinations, if available.
4. ✓ A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. ✓ Determined that a chest roentgenogram was was not required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(i)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. ✓ Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may may not use a respiratory device while performing his/her required duties.
7. ✓ The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. ✓ In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. ✓ In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335
OSHA Asbestos Certification

 ✓ There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

 There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____


 Examining Provider

02/12/18
 Date

Richard Kraus M.S., PA.-C
 Midtown Occupational
 Health Services, P.C.
 2490 W. 26th Ave., Bldg. A, Suite 300
 Denver, CO 80211
 303-831-9393

Respirator Fit Test

I, Victor Lerman, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 05-07-2018 Fit Test Conductor: Rabea Osmun

Respirator Information

- 1. Manufacturer: North
- 2. Model: 7700M
- 3. Size (Circle one): SMALL MEDIUM LARGE
- 4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- Breathe normally through the respirator
- Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- Do several jumping jacks to ensure that the respirator does not come loose from your face.
- Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Victor Lerman

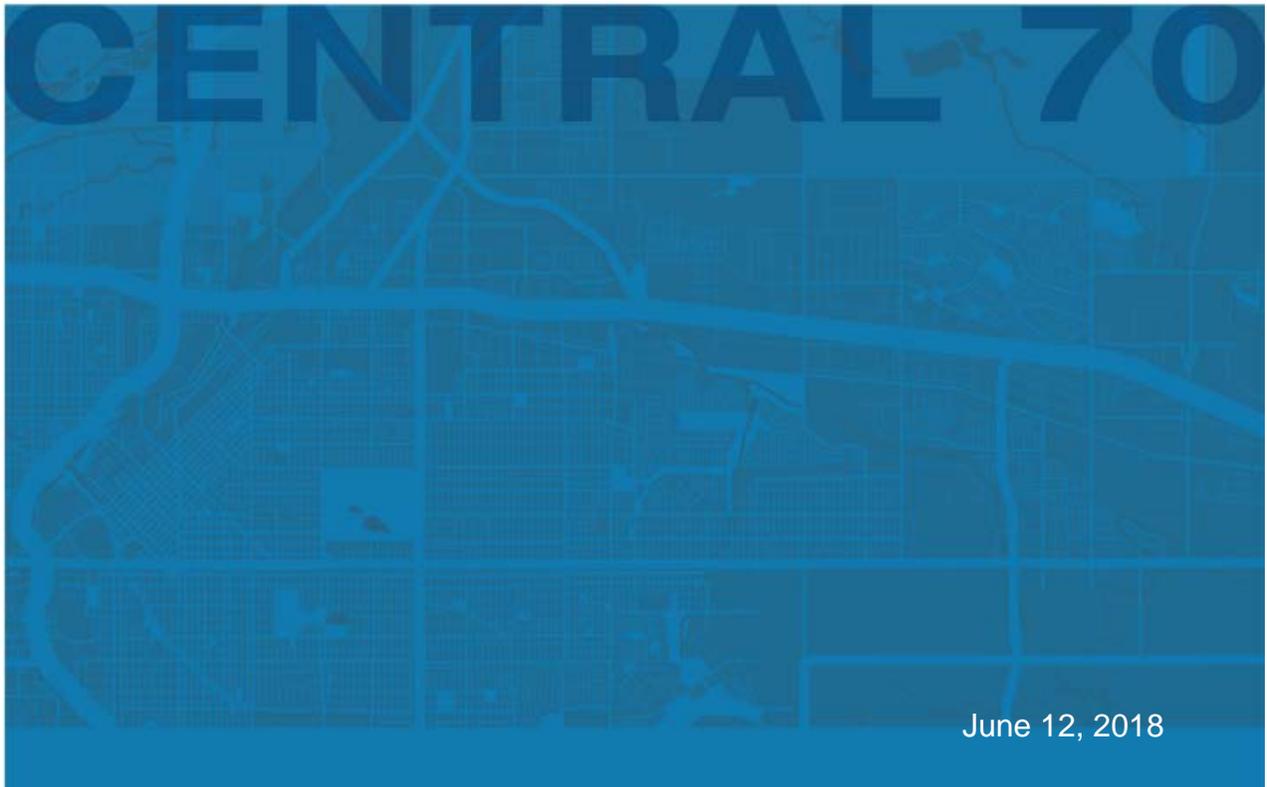
Date: 5-7-18

Fit Test Conductor Signature: Rabea Osmun

Date: 5/7/2018

6. Project Design

6a. SSAR



Structure Survey Assessment Report AP-70

4621 Clayton Street

Denver, CO 80216

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Appendix B	Positive Asbestos & Lead Sample Material Photographs
Appendix C	Laboratory Results & Chain of Custody – Asbestos
Appendix D	Laboratory Results & Chain of Custody – Lead & TCLP

APEC Project # 18-3066 - 006

Prepared for

Kiewit Meridiam Partners

Prepared by

Logan Greenfield
Logan Greenfield, CABI & AMS #20715
VP of Field Services

Reviewed by

Brandice Eslinger
Brandice Eslinger, EP, CABI & PD # 5494
President

1 Introduction

All-Phase Environmental Consultants, Inc. (APEC) was contracted to complete an environmental building survey for suspect asbestos-containing materials (ACMs), lead-based paint (LBP), and regulated building materials (RBM) at 4621 Clayton Street, Denver, CO. This survey will identify materials that will need to be abated or removed prior to the future demolition activities.

Table 1-1 Project Details

Client Name:	Kiewit Meridiam Partners
Site Location:	4621 Clayton Street, Denver, CO 80216
Building Type	One Building – Single family Residence
Building Size	Building is approximately 1,800 square feet
Construction Date:	1941 – Based on the City and County of Denver Assessor's Records
Building Uses:	Residential
Types of Materials to be Disturbed/Description of Proposed Disturbances:	Client intends to demolish the structure. All building materials will be impacted.

2 Site Survey Methodology

2.1 ASBESTOS SURVEY

On April 18, 2018, APEC certified personnel Logan Greenfield conducted an asbestos survey for demolition at the aforementioned address. The asbestos survey (inspection/sampling) was completed in accordance with the SSAP and follows guidelines established under the EPA Asbestos Hazard Emergency Re-sponse Act (AHERA) program and as required by USEPA regulation 40 Code of Federal Regula-tions (CFR) Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAP). Bulk sampling of suspected ACMs shall be performed in strict accordance with AHERA sampling proce-dures detailed in 40 CFR 763.86. These include but aren't limited to labeling each sample, recording on a chain of custody, taking a photo of the sample and recording the location on a site diagram. Demoli-tion work could disturb materials that contain asbestos and put unprotected workers at risk, violating as-bestos regulations, which are enforced by the Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA), the Colorado Department of Public Health and Environment (CDPHE) and the Denver County Health Department. All samples were col-lected and submitted to EMSL Analytical, Inc. in Denver, CO per APEC chain-of-custody protocol. The laboratory is a member of the National Voluntary Laboratory Accreditation Program (NVLAP) and is qualified to perform the required analysis (See Appendix A). The analysis conducted was the EPA Interim Method for the Determination of Asbestos in Bulk Samples, using standard Polarized Light Microscopy (PLM) and dispersion staining as established in 40 CFR Part 763.

This inspection report and methodology complies with the CDPHE Asbestos Sampling and Report Requirements Memorandum dated February 28, 2018.

2.2 LEAD-BASED PAINT SURVEY

On April 18, 2018, APEC certified personnel Rick Ralston conducted the lead-based paint (LBP) survey. The LBP survey was conducted to evaluate the absence and/or presence of LBP or lead-contain-ing paint (LCP) that will be impacted during future demolition activities. The survey consisted of re-viewing and inspecting the interior, exterior and roof system of the structure for suspect LBP or LCP. The testing method was the use of a heat gun and/or scraping a portion of the paint to the substrate (ma-terial under the paint). Proper Chain of Custody procedures were followed and samples were sent to EMSL Analytical, Inc. in Cinnaminson, NJ, via Fed Ex. The samples were analyzed by total lead (percent by weight) via Flame Atomic Absorption (FAA) by EPA Method 7420. EMSL is accredited under the American Industrial Hygiene Association's Environmental Lead Proficiency Analytical Test-ing program. LBP, according to the EPA, is defined as paint that contains lead in concentrations greater than 1.0 milligrams per square centimeter (mg/cm^2) as measured with an XRF or 5000 parts per million (ppm) when measured by weight, or 0.5 percent by weight.

A total of 18 homogeneous paint color variations of suspect LBP areas were identified. One paint chip sample was collected from each suspect homogeneous area and submitted to the laboratory for analy-sis. Representative photographs of each known LBP were taken and positive samples are included in a photographic log (Appendix B), and the paint chip sample locations were recorded and are included in the sample location drawing (Figure 3). Descriptions of the suspect homogeneous materials and a list of the collected samples can be viewed in the 'Findings' section.

Based on the analytical results for the 18 samples taken, a Toxicity Characteristic Leachate Procedure (TCLP) sample was analyzed by collecting a representative sample (approximately 105 grams) of combined suspect building materials.

2.3 REGULATED BUILDING MATERIALS INVENTORY SURVEY

On April 18, 2018, APEC personnel conducted the RBM inventory consisting of inspecting the interior, exterior and roof system. The inspection was conducted to visually identify and quantify any building materials, devices and equipment suspected of containing potentially regulated materials as they pertain to the EPA Universal Waste Rule (UWR) requirements (40 CFR, Part 273). APECs inventory review consisted of the following : potential mercury-containing thermostats/switches; fluorescent light tubes and compact fluorescent bulbs; items potentially containing polychlorinated biphenyls (PCBs) (generally ballasts found within the fluorescent light fixtures); tritium powered exit signs; smoke detectors potentially containing Americium-241; and Freon-containing refrigeration systems. The Survey of Suspected RBMs are for use by contractors conducting the removal of items from the property. Samples of suspect RBMs are not required for this type of survey, as all determinations are made by visual means.

3 Findings

3.1 ASBESTOS SURVEY

A total of 31 bulk samples, including 1 duplicate sample, was collected from 9 suspect homogeneous materials throughout the structure, and the results of the PLM analysis are presented in Table 3-1A and table 3-1B. The following samples were positive for ACMs (i.e. present greater than 1%), or were considered to be part of the same homogeneous material as a sample that was tested positive for ACM.

Regulated Asbestos Containing Materials (RACM)

- 4621CL-R8-2A, 4621CL-R8-2B, 4621CL-R7-2C, 4621CL-R4-2D and 4621CL-STAIR-2E – Smooth Textured Plaster – Main Floor
- 4621CL-R8-8A and 4621CL-R4-8B – Vent Boot Wrap – HVAC Supply Registers

Point Counts

Point count analysis was not performed due to the initial PLM analysis content exceeding 1%. The laboratory analytical report is included as Appendix D.

Duplicate Samples

For quality assurance purposes, duplicate samples are taken approximately every 20th sample. Duplicate samples are listed as a duplicate (Q) in the sample location column of Table 3-1 or Table 3-1A. One sample was collected as a total of 31 samples were obtained, and is identified as sample 4621CL-R11-6Q.

3.2 LEAD-BASED PAINT SURVEY

A total of 18 homogeneous paint color variations were analyzed for the presence of LBPs and LCPs (Table 3-2; Figure 3). Under EPA 40 CFR Part 745, LBP is defined as any paint or surface coating that contains lead equal to or exceeding 0.5% (by weight), while LCP is defined as any paint or surface coating containing lead greater than or equal to 0.06% up to 0.5% (by weight). For all other facilities, caution should be taken during demolition to minimize cutting, abrading, or otherwise

One lead sample (4621-R10-9) result is greater than 0.06% by weight but less than 0.5% by weight and is considered LCP (Table 3-2). The remaining 17 sample results were less than the LCP and LBP thresholds, and are considered non-lead containing paint (NLC). The laboratory analytical report is included in Appendix D.

3.2.1 TCLP LEAD ANALYTICAL RESULTS

Since one sample analyzed as a LCP, TCLP analysis of lead was performed. TCLP analysis simulates the potential for the demolished building materials to leach lead if placed in the landfill and the results of the analysis determine if the demolished building materials will be considered hazardous waste (40 CFR Part 261). The Toxicity Characteristic (TC) maximum concentration is 5 milligrams per liter (mg/L). The results of the TCLP analysis is <0.40 mg/L, which is below the regulated limit and therefore not considered hazardous. The analytical report is included in Appendix D.

3.3 REGULATED BUILDING MATERIALS INVENTORY SURVEY

Several suspect RBMs were visually identified throughout the structure. RBMs that are a cause of concern, when discovered, are discussed below. A complete list of the RBMs is presented in Table 3-3, and selected locations of the RBMs are depicted in Figure 4.

4 Conclusions and Recommendations

4.1 ASBESTOS

Approximately 957 square feet of RACM was identified as smooth textured plaster on the walls and ceilings of the stairwell to the basement, rooms 4, 6, 7, 8, 10 and the ceiling of room 9. Approximately 12 square feet of RACM was identified as vent boot wrap located on the heating air supply registers. These materials will require abatement due to being rendered friable easily prior to demolition of the structures.

No other ACM was identified throughout the structures; however, if additional suspect materials, not sampled during this investigation, are identified during demolition, they should either be assumed to be ACM or should be sampled prior to disturbance.

General Information

Prior to demolition activities, all friable and non-friable (that can or will be rendered friable) ACM that may be impacted during the demolition must be abated by a Colorado Certified Asbestos Abatement Contractor as required by NESHAP and the CDPHE – Air Pollution Control Division: Asbestos. The exception are Category I & II Non-Friable ACMs that can, with best management practices, remain during the activities and remain non-friable, i.e. not able to be reduced to a dust. Activities such as grinding, excessive munching of materials, sawing, jack-hammering, etc. are strictly prohibited.

According to AHERA, EPA, and the CDPHE, materials testing at less than or equal to 1% asbestos fibers are not considered to be an asbestos containing material (ACM). However, any materials containing asbestos still need to be regulated. OSHA protocol must be followed when handling materials containing ANY amount of asbestos. Proper personal protective equipment (PPE) and engineering controls must be utilized if these materials will be impacted during demolition activities.

4.2 LEAD-BASED PAINT

Lead was detected at concentrations above the LCP threshold in 1 of the 18 samples. The remaining 17 samples are considered NLC. Although LCP/LBP was identified in the samples analyzed, the TC limit of 5 mg/L was not exceeded in the TCLP lead analysis and the waste stream generated from the demolition will be considered solid waste. No lead abatement is required prior to demolition.

While the TCLP results indicate that the waste stream is not characteristically hazardous with respect to lead content, LCP and LBP are still present in the building materials. Therefore, the contractor responsible for demolition of this structure is notified with receipt of this report of the presence or potential presence of LCP and/or LBP in the building materials that comprise the building. The contractor should also notify their employees of the presence of LCP or LBP prior to any disturbance, and make the OSHA publication number 3142-12R 2004 available to their workers. (“Lead in Construction”, http://www.osha.gov/Publications/osha_3142.pdf). The standards address topics such as permissible exposure limits (PELs) for workers, exposure assessment, protection of employees during assessment of exposure, employee notification, PPE, medical surveillance, along with other topics related to working with LCP and LBP.

4.3 REGULATED BUILDING MATERIALS

Materials found during the regulated materials inventory within the building may require special handling or disposal prior to demolition activities. If abatement is needed, APEC recommends that the asbestos contractor or general contractor selected by the client properly dispose of these regulated materials, per applicable regulations.

With regards to RBMs, it is likely that the ballasts in the fluorescent light fixtures do contain PCBs. Where a manufacturer's label is present indicating "no PCBs", the ballast can be disposed of with recyclable metal or with other municipal waste. During removal for disposal as part of the demolition activities, each ballast should be visually inspected for the manufacturer's label indicating "no PCBs". If the label does not have this notation, the ballast should be considered PCB-containing and should be disposed of as a hazardous waste in accordance with local, state, and federal regulatory guidelines. Refrigerators and Air Conditioning units contain freon; this will need to be reclaimed or taken to a facility capable of this activity. Mercury containing thermostats will need to be disposed of at a facility certified to take this type of material. The contractor should also carefully remove all associated fluorescent light tubes and compact fluorescent lights and recycle or dispose of these materials according to applicable regulations.

This inspection was primarily relevant to the Federal UWR requirements under 40 CFR 273. It should be noted that contractors submitting bids for removal of the RBMs should verify quantities, conditions, and locations of all RBMs prior to bid submittals and initiating demolition activities. The contractor is also responsible for proper recycling and/or disposal of the RBMs, and should follow all federal, state and local regulations when handling these materials.

5 Limitations

This Structure Survey Assessment Report was prepared by All-Phase Environmental Consultants, Inc., at the request of and for the sole benefit of Kiewit Meridiam Partners, or any entity controlling, controlled by, or under common control with Colorado Department of Transportation. APECs certified inspectors used reasonable diligence and professional judgement to identify all suspect asbestos-containing materials, lead based paint, and regulated building materials in the property. APEC will not be held liable for property damage or any loss of property value due to the inspection. This report is not an abatement plan and is intended to be informational only; APEC will not be held responsible for the mishandling of the information contained herein.

APEC utilized destructive inspection methods in performing this survey, however accessibility may have been a limiting condition. If additional impacted suspect materials are discovered during related work for which there are no sample documentation/results, APEC recommends pursuing one of the following alternatives: Sample and analyze the discovered suspect material(s) to determine whether it contains asbestos, lead or other regulated materials; or assume the material(s) to be containing, quantify and remove on a unit cost basis.

Notwithstanding any provision to the contrary, the total liability of "All Phase Environmental Consultants, Inc.", and its employees, officers or directors be liable in contract, tort, strict liability warranty or otherwise, for any special, incidental or consequential damages, such as but not limited to, delay, disruption, loss of product, loss of anticipated profits or revenue, damages, cost, and expenses, including attorney's fees, shall not exceed the aggregate amount paid to All Phase Environmental Consultants, Inc. under this Agreement regardless of the legal theory under which such liability is imposed.

Tables

Table 3-1A	Positive Asbestos Containing Samples
Table 3-1B	Non-Asbestos Containing Samples
Table 3-2	Summary of Paint Chip Laboratory Analysis for Lead
Table 3-3	Summary of Regulated Building Materials

Table 3-1A Positive Asbestos Containing Samples

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification	Estimated Quantity (Sq. ft.)
4621CL-Stair-2E	Stairwell	Texture 2% Chrysotile	PLM	Good	Smooth Textured Plaster	Wall-Rooms 4, 6, 7, 8, 10 and stairwell Ceiling room 9 Samples 2A-2E are Homogeneous	RACM	957
4621CL-R8-2A 4621CL-R8-2B 4621CL-R7-2C 4621CL-R4-2D	Homogeneous to Sample - 4621CL-Stair-2E							
4621CL-R8-8A	Room 8	60% Chrysotile	PLM	Good	Vent Boot Wrap	HVAC supply registers on main floor	RACM	12
4621CL-R4-8B	Room 4	65% Chrysotile	PLM	Good				
ND=Non-Detect PLM=Polarized Light Microscopy NA=Not Applicable RACM=Regulated Asbestos Containing Materials								

Table 3-1B Non-Asbestos Containing Samples

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4621CL-R9-1A	Room 9	ND	PLM	Good	Rough Texture Plaster	Walls Room 9	NA
4621CL-R9-1B		ND	PLM	Good			NA
4621CL-R9-1C		ND	PLM	Good			NA
4621CL-R2-3A	Room 2	ND	PLM	Good	Knockdown Texture Drywall	Wall/Ceiling in rooms 1, 2 & 3	NA
4621CL-R3-3B	Room 3	ND	PLM	Good			NA
4621CL-R1-3C	Room 1	ND	PLM	Good			NA
4621CL-R1-3D	Room 1	ND	PLM	Good			NA
4621CL-R2-3E	Room 2	ND	PLM	Good			NA
4621CL-R2-4A	Room 2	ND	PLM	Good	Textured Plaster	Wall/Ceiling east side of room 2	NA
4621CL-R2-4B		ND	PLM	Good			NA
4621CL-R2-4C		ND	PLM	Good			NA
4621CL-R5-5A	Room 5	ND	PLM	Good	Smooth Drywall	Ceiling room 5	NA
4621CL-R5-5B		ND	PLM	Good			NA
4621CL-R5-5C		ND	PLM	Good			NA
4621CL-R11-6A	Room 11	ND	PLM	Good	Texture Drywall	wall/ceiling Entire basement rooms 11, 12, 13 & 14	NA
4621CL-R12-6B	Room 12	ND	PLM	Good			NA
4621CL-R12-6C	Room 12	ND	PLM	Good			NA
4621CL-R14-6D	Room 14	ND	PLM	Good			NA
4621CL-R13-6E	Room 13	ND	PLM	Good			NA
4621CL-R11-6Q	Room 11	ND	PLM	Good			NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4621CL-R5-7A	Room 5	ND	PLM	Good	Ceramic tile/mortar	Room 2 & 5	NA
4621CL-R5-7B		ND	PLM	Good			NA
4621CL-EX-9A	Exterior	ND	PLM	Good	Asphalt Roof	Exterior roof	NA
4621CL-EX-9B		ND	PLM	Good			NA

ND=Non-Detect
 PLM=Polarized Light Microscopy
 NA=Not Applicable

Table 3-2 Summary of Paint Chip Analysis for Lead

Sample Number	Sample Location	Lead Concentration (% wt.)	Component	Paint Description	Classification
4621-R2-1	Room 2	<0.0080	Drywall	Peach	NLC
4621-R2-2	Room 2	<0.0080	Drywall	Whitte	NLC
4621-R2-3	Room 2	<0.0080	Drywall	White	NLC
4621-R3-4	Room 3 Closet	<0.0080	Drywall	White	NLC
4621-R3-5	Room 3	<0.0080	Drywall	Tan	NLC
4621-R9-6	Room 9	<0.0080	Drywall	Orange	NLC
4621-R8-7Q	Room 8	<0.0080	Drywall	Green	NLC
4621-R2-8	Room 2	<0.0080	Drywall	Cream	NLC
4621-R10-9	Room 10 Closet	0.24	Drywall	Gray	LCP
4621-R8-10	Room 8	<0.0080	Drywall	Green	NLC
4621-R9-11	Room R9 window Frame	<0.0080	Wood	White	NLC
4621-R4-12	Room 4	<0.0080	Drywall	Fawn	NLC
4621-R13-13	Room 13	<0.0080	Drywall	Tan	NLC
4621-R13-14	Room 13	<0.0080	Drywall	Gray	NLC
4621-BAS-16	Room 12	<0.0080	Drywall	Tan	NLC
4621-OUT-19	Outside Security Door	<0.0080	Metal	White	NLC
4621-OUT-20	Outside Rail around Porch	0.018	Wood	Red	NLC
4621-OUT-21	Outside Paint on House Siding	0.013	Wood	Beige	NLC

Samples 15, 17 and 18 were not submitted - Substrate could not be seperated

Table 3-3 Summary of Regulated Building Materials

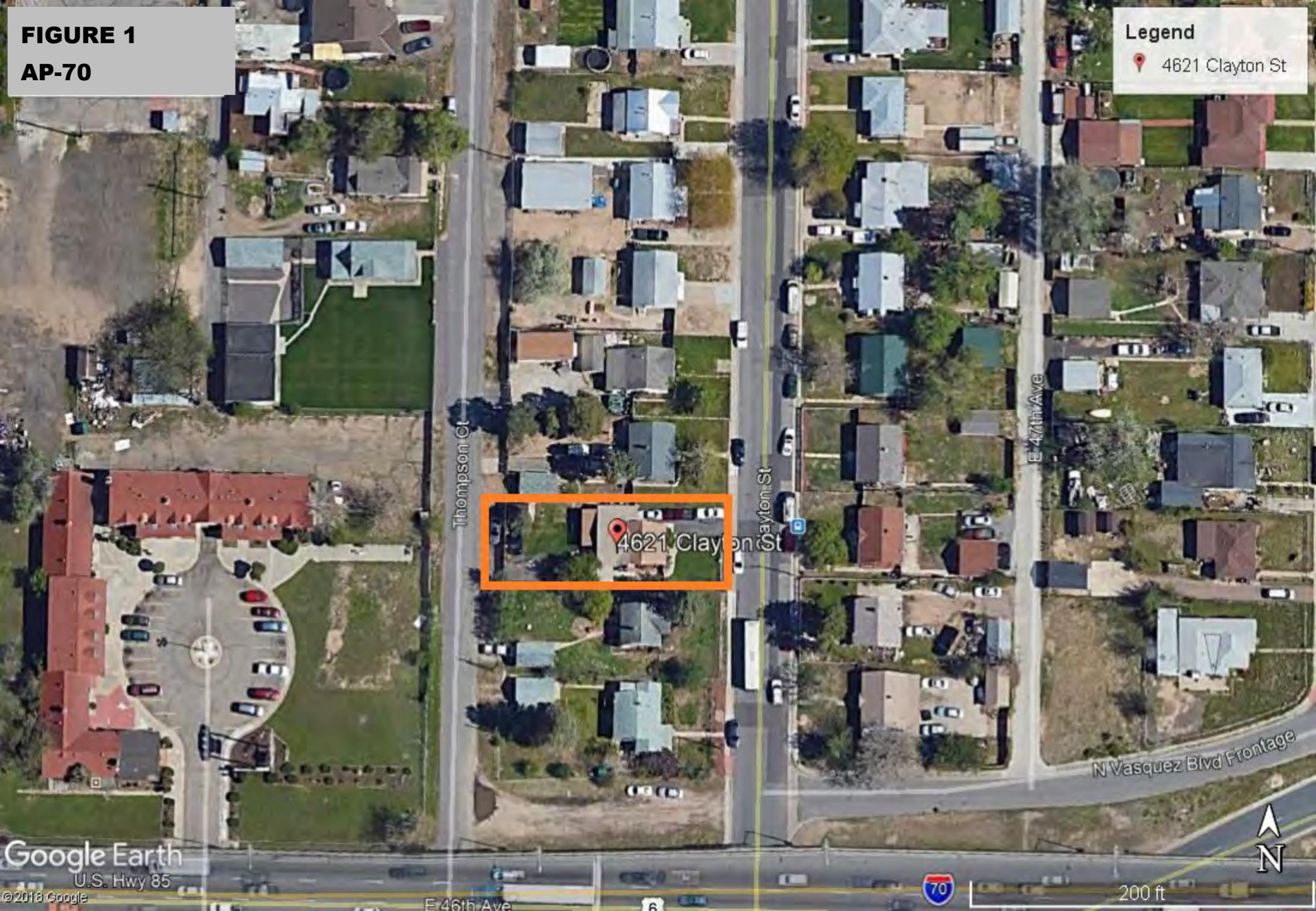
Room	Material	Location	Quantity Fixture/Bulbs each
2	A/C Unit	Window	1
11	Water Heater	Floor	1
Exterior	Gas Main	Exterior-East	1
2	Electrial Breaker Box	South wall	1
Exterior	Electrial Meter	Exterior-East	1

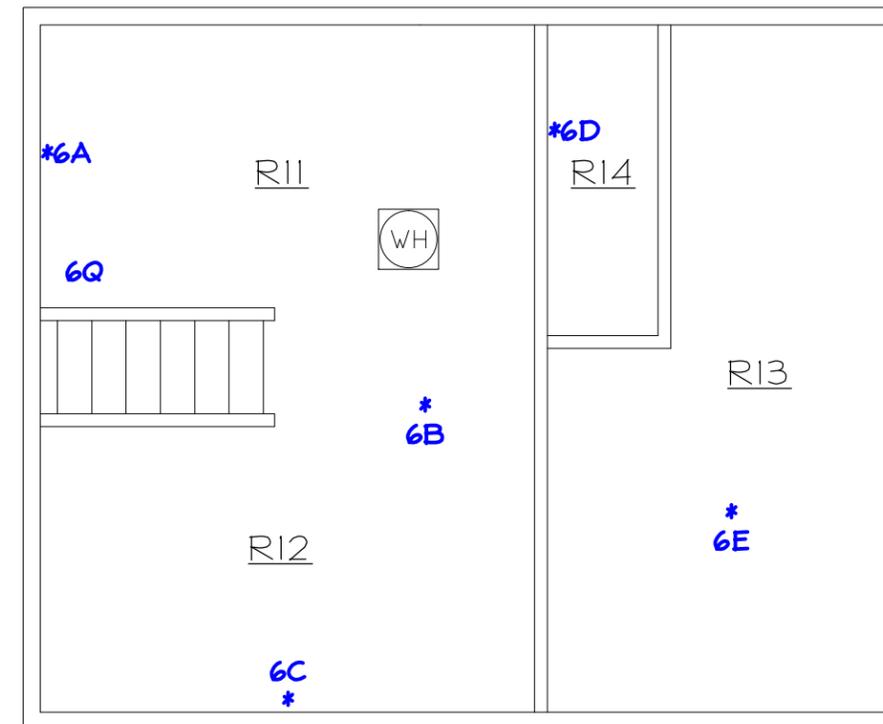
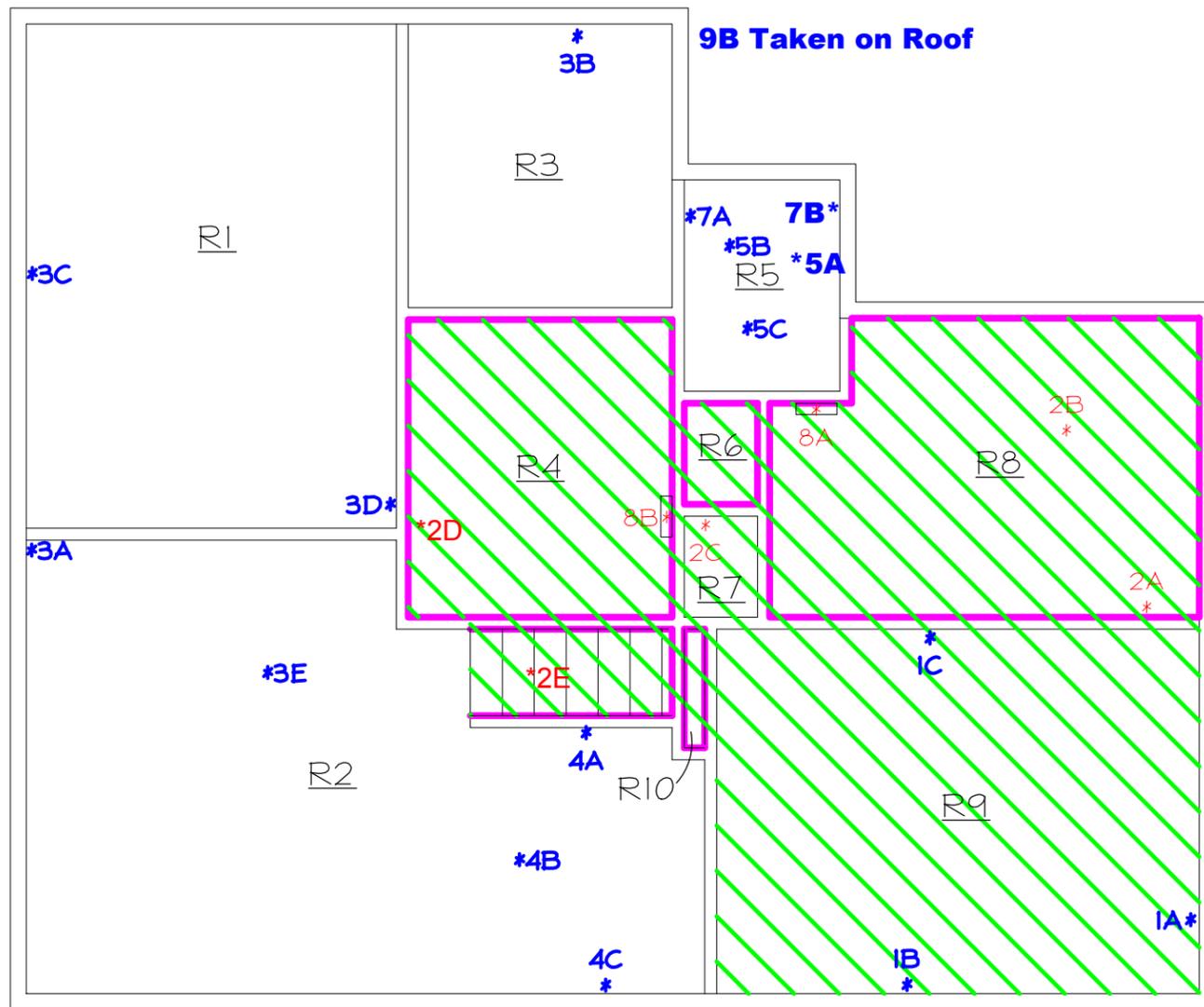
Figures

- Figure 1 Site Location
- Figure 2 Asbestos Bulk Sample Locations
- Figure 3 Lead-Based Paint Sample Locations
- Figure 4 Regulated Building Materials

FIGURE 1
AP-70

Legend
📍 4621 Clayton St





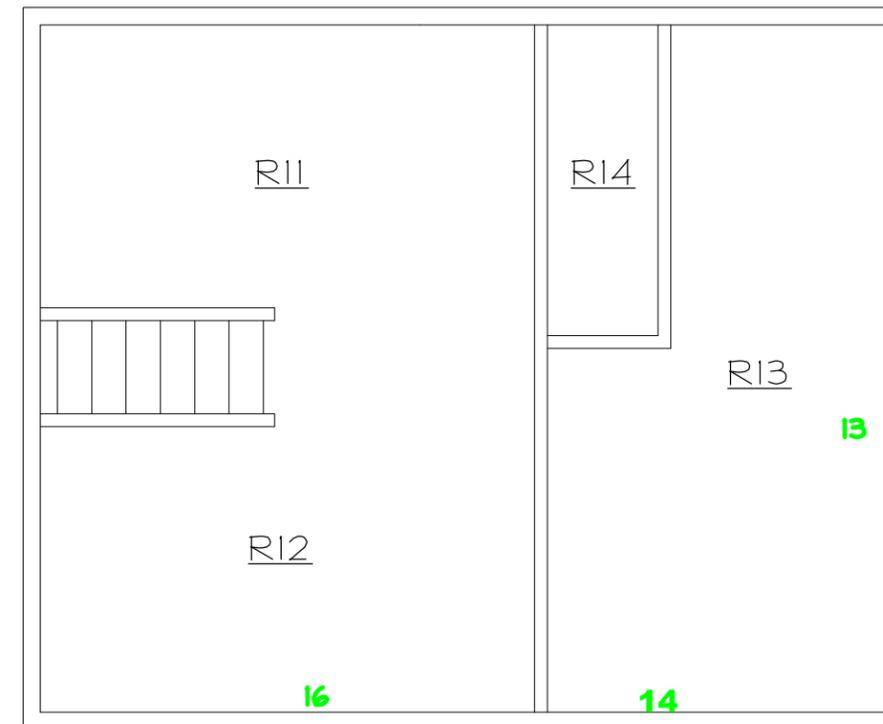
DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 3/16" = 1'-0"

- = Positive Asbestos at Ceiling
- = Positive Asbestos at Walls
- 8A & 8B = Vent Boot Wrap Positive for Asbestos
- R1 = Room Numbers
- 4B = Asbestos Samples (Detect)
- 4B = Asbestos Samples (Non-Detect)

FIGURE 2 - Asbestos Bulk Sample Locations
 CENTRAL 70 - Structure Survey Assessment Map
 AP-70
 4621 Clayton Street, Denver, CO
 April 18, 2018
 APEC NUMBER: 18-3066



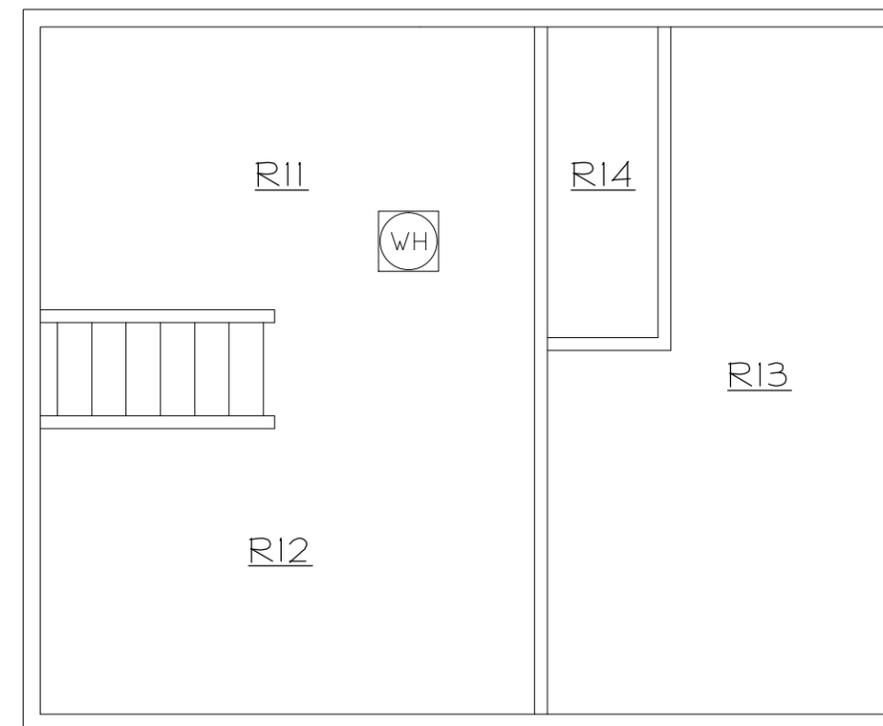
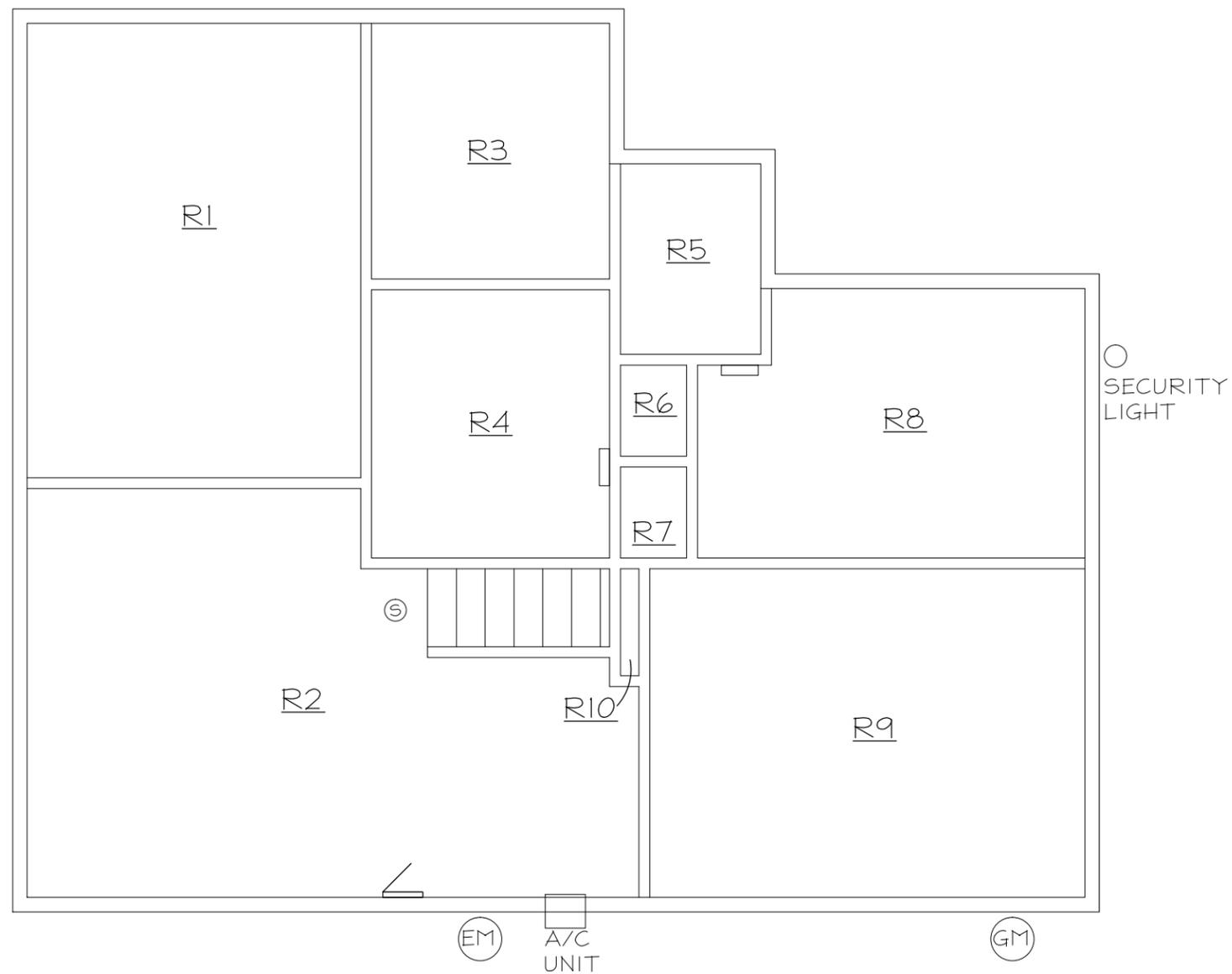
ALL-PHASE
 ENVIRONMENTAL CONSULTANTS, INC.
 721 W 9TH STREET
 Pueblo, CO 81003 Ph: (719) 545-0375



- R1 = Room Numbers
- 4 = Lead Base Paint (Detect)
- 4 = Lead Containing Paint (Detect)
- 4 = Lead Base Paint (Non-Detect)

DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 3/16" = 1'-0"

FIGURE 3 - Lead-Based Paint Sample Locations
CENTRAL 70 - Structure Survey Assessment Map
AP-70
4621 Clayton Street, Denver, CO
April 18, 2018
ALL PHASE PROJECT NUMBER: 18-3066
 ALL-PHASE ENVIRONMENTAL CONSULTANTS, INC. 721 W 9TH STREET Pueblo, CO 81003 Ph: (719) 545-0375



DR BY: R.A.
 APPROVED: B.N.E.
 SCALE: 3/16" = 1'-0"

FIGURE 4 - Regulated Building Materials
CENTRAL 70 - Structure Survey Assessment Map
AP-70
 4621 Clayton Street, Denver, CO
 April 18, 2018
 ALL PHASE PROJECT NUMBER: 18-3066

ALL-PHASE
 ENVIRONMENTAL CONSULTANTS, INC.
 721 W 9TH STREET
 Pueblo, CO 81003 Ph: (719) 545-0375

- R1 = Room Numbers
- EM = Electrical Meter
- GM = Gas Meter
- ⎚ = Interior Breaker Panel
- WH = Water Heater
- Ⓢ = Electrical Breaker Box

A

**ASBESTOS AND LEAD
CERTIFICATIONS**





Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

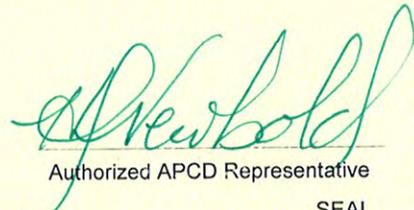
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Building Inspector*

Issued: October 18, 2017

Expires: October 18, 2018

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative
SEAL



1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Logan Greenfield

20715

*Has Successfully Completed the EPA- Approved Annual Asbestos Refresher Training Course
Under Section 206 of the Toxic Substance Control Act (TSCA), Title II.*

BUILDING INSPECTOR

Course Date: September 20, 2017
Certificate No.: R17-1661-AI-CO
No. of Hours: 4
Expiration Date: September 20, 2018
Certification not valid without watermark

A handwritten signature in black ink that reads "Frank Hulce".

Frank Hulce - Instructor

A handwritten signature in black ink that reads "Danaya Benedetto".

Danaya Benedetto- Training Program Manager



Colorado Department
of Public Health
and Environment

LEAD-BASED PAINT CERTIFICATION*

This certifies that

Richard L. Ralston

Certification No.: 9130

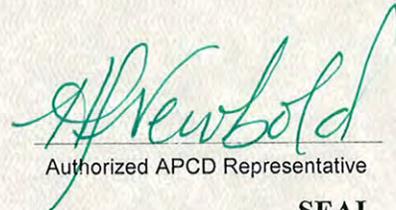
has met the requirements of 25-7-1104, C.R.S. and Air Quality Control
Commission Regulation No. 19, and is hereby certified by the state of
Colorado in the following discipline:

Risk Assessor*

Issued: February 10, 2017

Expires: February 10, 2019

** This certificate is valid only with the possession of a valid
lead-based paint training certificate in the discipline specified
above, issued by either a Colorado approved training provider,
an EPA approved training provider, or a training provider
approved by another EPA authorized program.*


Authorized APCD Representative

SEAL



1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Richard Ralston

Has successfully completed the required training hours and passed the examination required by the Colorado Department of Public Health and Environment for:

Lead-Based Paint Risk Assessor Refresher

For the purposes of accreditation under the Colorado Department of Public Health and Environment Regulation No. 19 and other standard developed by EPA pursuant to Title IV of TSCA

Course Date: April 6, 2016
Certificate No.: R16-031-LRA-CO
No. of Hours: 8
Expiration Date: April 6, 2019

Certification not valid without watermark

Luis E. Peon

Luis Peon - Instructor

Danaya Benedetto

Danaya Benedetto - Training Program Manager

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200828-0

EMSL Analytical, Inc.
Denver, CO

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

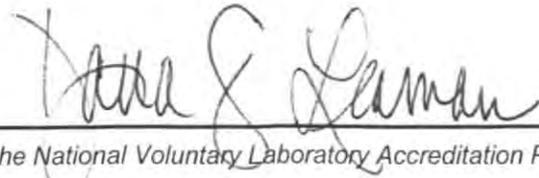
Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2018-04-01 through 2019-03-31

Effective Dates




For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.

1010 Yuma Street
Denver, CO 80204
Ms. Amanda Lang
Phone: 303-740-5700
Email: alang@emsl.com
<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200828-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

A handwritten signature in black ink, appearing to read "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- | | |
|---|---|
| <input checked="" type="checkbox"/> INDUSTRIAL HYGIENE | Accreditation Expires: September 01, 2018 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: September 01, 2018 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: September 01, 2018 |
| <input type="checkbox"/> FOOD | Accreditation Expires: |
| <input type="checkbox"/> UNIQUE SCOPES | Accreditation Expires: |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

William Walsh, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 08/31/2016



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**

Issue Date: 08/31/2016

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/18/1995

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description <i>(for internal methods only)</i>
Paint		EPA SW-846 3050B	
		EPA SW-846 7000B	
Soil		EPA SW-846 3050B	
		EPA SW-846 7000B	
Settled Dust by Wipe		EPA SW-846 3050B	
		EPA SW-846 7000B	
Airborne Dust		NIOSH 7082	
Composited Wipes		EPA SW-846 3050B	
		EPA SW-846 7000B	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

B

POSITIVE ASBESTOS & LEAD
SAMPLE MATERIAL
PHOTOGRAPHS





RACM - Smooth Textured Plaster

Samples Represented –
4621CL-R8-2A
4621CL-R8-2B
4621CL-R7-2C
4621CL-R4-2D
4621CL-STAIR-2E



RACM – Vent Boot Wrap

Samples Represented –
4621CL-R8-8A
4621CL-R4-8B



LCP - GRAY

Sample Represented –
4621-R10-9

C

LABORATORY RESULTS &
CHAIN OF CUSTODY -
ASBESTOS





EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221802670
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 04/19/2018 10:00 AM
Analysis Date: 04/24/2018
Collected Date: 04/18/2018
Project: Central 70/ 18-3066 (70)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4621CL-R9-1A-Skim Coat 221802670-0001	Rough Texture Plaster	White/Vari- ous Non-Fibrous Heterogeneous		10% Ca Carbonate 20% Gypsum 70% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R9-1A-Plaster 221802670-0001A	Rough Texture Plaster	Gray Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
4621CL-R9-1B-Skim Coat 221802670-0002	Rough Texture Plaster	White/Vari- ous Non-Fibrous Heterogeneous		10% Ca Carbonate 20% Gypsum 70% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R9-1B-Plaster 221802670-0002A	Rough Texture Plaster	Gray Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
4621CL-R9-1C-Skim Coat 221802670-0003	Rough Texture Plaster	White/Green Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R9-1C-Plaster 221802670-0003A	Rough Texture Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4621CL-R8-2A-Skim Coat 221802670-0004	Smooth Texture Plaster	White/Vari- ous Non-Fibrous Heterogeneous		10% Ca Carbonate 20% Gypsum 70% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R8-2A-Plaster 221802670-0004A	Smooth Texture Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 04/24/2018 16:41:10



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221802670
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Project: Central 70/ 18-3066 (70)

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 04/19/2018 10:00 AM
Analysis Date: 04/24/2018
Collected Date: 04/18/2018

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4621CL-R8-2B-Skim Coat 221802670-0005	Smooth Texture Plaster	White/Variou Non-Fibrous Heterogeneous		10% Ca Carbonate 20% Gypsum 70% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R8-2B-Plaster 221802670-0005A	Smooth Texture Plaster	Gray Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
4621CL-R7-2C-Skim Coat 221802670-0006	Smooth Texture Plaster	White/Variou Non-Fibrous Heterogeneous		10% Ca Carbonate 20% Gypsum 70% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R7-2C-Plaster 221802670-0006A	Smooth Texture Plaster	Gray Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
4621CL-R4-2D-Skim Coat 221802670-0007	Smooth Texture Plaster	White/Blue Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R4-2D-Plaster 221802670-0007A	Smooth Texture Plaster	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4621CL-STAIR-2E-Texture 221802670-0008	Smooth Texture Plaster	Beige Non-Fibrous Heterogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
4621CL-STAIR-2E-Skim Coat 221802670-0008A	Smooth Texture Plaster	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4621CL-STAIR-2E-Plaster 221802670-0008B	Smooth Texture Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	10% Ca Carbonate 90% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 04/24/2018 16:41:10



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221802670
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 04/19/2018 10:00 AM
Analysis Date: 04/24/2018
Collected Date: 04/18/2018
Project: Central 70/ 18-3066 (70)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4621CL-R2-3A-Texture 221802670-0009	Knockdown Texture	White/Pink Non-Fibrous Heterogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R2-3A-Drywall 221802670-0009A	Knockdown Texture	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4621CL-R3-3B-Texture 221802670-0010	Knockdown Texture	White/Blue Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R3-3B-Drywall 221802670-0010A	Knockdown Texture	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4621CL-R1-3C-Texture 221802670-0011	Knockdown Texture	White/Pink Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R1-3C-Drywall 221802670-0011A	Knockdown Texture	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4621CL-R1-3D-Texture 221802670-0012	Knockdown Texture	White/Pink Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R1-3D-Drywall 221802670-0012A	Knockdown Texture	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 04/24/2018 16:41:10



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221802670
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 04/19/2018 10:00 AM
Analysis Date: 04/24/2018
Collected Date: 04/18/2018
Project: Central 70/ 18-3066 (70)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4621CL-R2-3E-Text ure 221802670-0013	Knockdown Texture	White/Pink Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R2-3E-Dry wall 221802670-0013A	Knockdown Texture	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4621CL-R2-4A-Text ure 221802670-0014	Textured Plaster	White/Pink Non-Fibrous Heterogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R2-4A-Skim Coat 221802670-0014A	Textured Plaster	White Non-Fibrous Heterogeneous		10% Ca Carbonate 20% Gypsum 70% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R2-4A-Plas ter 221802670-0014B	Textured Plaster	Tan Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected
4621CL-R2-4B-Text ure 221802670-0015	Textured Plaster	White/Pink Non-Fibrous Heterogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R2-4B-Skim Coat 221802670-0015A	Textured Plaster	White Non-Fibrous Heterogeneous		10% Ca Carbonate 20% Gypsum 70% Non-fibrous (Other)	None Detected
4621CL-R2-4B-Plas ter 221802670-0015B	Textured Plaster	Tan Fibrous Homogeneous	<1% Cellulose	10% Gypsum 90% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 04/24/2018 16:41:10



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221802670
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Project: Central 70/ 18-3066 (70)

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 04/19/2018 10:00 AM
Analysis Date: 04/24/2018
Collected Date: 04/18/2018

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4621CL-R2-4C-Text ure 221802670-0016	Textured Plaster	White/Pink Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R2-4C-Skim Coat 221802670-0016A	Textured Plaster	White Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
4621CL-R2-4C-Plast er 221802670-0016B	Textured Plaster	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4621CL-R5-5A-Dry wall 221802670-0017	Smooth Drywall	Brown/White/Green Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4621CL-R5-5B-Dry wall 221802670-0018	Smooth Drywall	Brown/White/Green Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R5-5C- Drywall 221802670-0019	Smooth Drywall	Brown/White Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R11-6A-Dry wall 221802670-0020	Smooth Texture	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R12-6B-Dry wall 221802670-0021	Smooth Texture	Brown/Tan/White Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 04/24/2018 16:41:10



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221802670
Customer ID: ALLP62
Customer PO:
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Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 04/19/2018 10:00 AM
Analysis Date: 04/24/2018
Collected Date: 04/18/2018
Project: Central 70/ 18-3066 (70)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4621CL-R12-6C-Dry wall 221802670-0022	Texture	Brown/White Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R14-6D-Texture 221802670-0023	Texture	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R14-6D-Dry wall 221802670-0023A	Texture	Brown/White Fibrous Homogeneous	15% Cellulose 2% Glass	70% Gypsum 13% Non-fibrous (Other)	None Detected
4621CL-R13-6E-Texture 221802670-0024	Texture	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R13-6E-Dry wall 221802670-0024A	Texture	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
4621CL-R11-6Q-Texture 221802670-0025	Texture	Gray/White Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
4621CL-R11-6Q-Dry wall 221802670-0025A	Texture	Brown/White Fibrous Homogeneous	15% Cellulose <1% Glass	70% Gypsum 15% Non-fibrous (Other)	None Detected
4621CL-R5-7A-Ceramic Tile 221802670-0026	Ceramic Tile	White/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4621CL-R5-7A-Mastic 221802670-0026A	Ceramic Tile	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 04/24/2018 16:41:10



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221802670
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 04/19/2018 10:00 AM
Analysis Date: 04/24/2018
Collected Date: 04/18/2018
Project: Central 70/ 18-3066 (70)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4621CL-R5-7B-Cera mic Tile 221802670-0027	Ceramic Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4621CL-R5-7B-Mast ic 221802670-0027A	Ceramic Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4621CL-R8-8A 221802670-0028	Vent Boot Wrap	Tan Fibrous Homogeneous		40% Non-fibrous (Other)	60% Chrysotile
4621CL-R4-8B 221802670-0029	Vent Boot Wrap	Beige Fibrous Homogeneous	10% Cellulose	25% Non-fibrous (Other)	65% Chrysotile
4621CL-EX-9A-Shin gle 1 221802670-0030	Asphalt Roof	Brown/Black Fibrous Homogeneous	15% Glass	15% Ca Carbonate 70% Non-fibrous (Other)	None Detected
4621CL-EX-9A-Mas tic 1 221802670-0030A	Asphalt Roof	Black Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4621CL-EX-9A-Shin gle 2 221802670-0030B	Asphalt Roof	Brown/Black Fibrous Homogeneous	15% Glass	15% Ca Carbonate 70% Non-fibrous (Other)	None Detected
4621CL-EX-9A-Mas tic 2 221802670-0030C	Asphalt Roof	Black Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
4621CL-EX-9A-Shin gle 3 221802670-0030D	Asphalt Roof	White/Black Fibrous Homogeneous	15% Glass	15% Ca Carbonate 70% Non-fibrous (Other)	None Detected
4621CL-EX-9A-Mas tic 3 221802670-0030E	Asphalt Roof	Black Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 04/24/2018 16:41:10



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221802670
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003
Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 04/19/2018 10:00 AM
Analysis Date: 04/24/2018
Collected Date: 04/18/2018
Project: Central 70/ 18-3066 (70)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4621CL-EX-9B-Shin gle 1 221802670-0031	Asphalt Roof	Gray/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
4621CL-EX-9B-Mast ic 1 221802670-0031A	Asphalt Roof	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4621CL-EX-9B-Shin gle 2 221802670-0031B	Asphalt Roof	Gray/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
4621CL-EX-9B-Mast ic 2 221802670-0031C	Asphalt Roof	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 04/24/2018 16:41:10



EMSL Analytical, Inc.

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Project: Central 70/ 18-3066 (70)

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 04/19/2018 10:00 AM
Analysis Date: 04/24/2018
Collected Date: 04/18/2018

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	04/19/2018	Sample Receipt Time:	10:00 AM
Analysis Completed Date:	04/24/2018	Analysis Completed Time:	4:28 PM

Analyst(s):

Gentry Catlett PLM (26)

Stuart Printz PLM (38)

Samples Reviewed and approved by:

Amanda Lang, Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 04/24/2018 16:41:10



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

221802670

Denver, CO 80204
PHONE (303) 740-5700
FAX (303) 741-1400

Company: All-Phase Environmental Consultants, Inc.		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 721 W. 9th Street		Third Party Billing requires written authorization from third party	
City: Pueblo	State/Province: CO	Zip/Postal Code: 81003	Country: United States
Report To (Name): Logan Greenfield		Telephone #: 719-250-0036	
Email Address: logan@allphaseenvironmental.com		Fax #:	Purchase Order:
Project Name/Number: CENTRAL 70 / 18-3066(70)		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: CO		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM-Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique Other: <input type="checkbox"/>
---	--	--

Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: LOGAN GREENFIELD Samplers Signature: *[Signature]*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
4621CL-R8-1A	Rough texture plaster		4/18/18
4621CL-R9-1B	↓		↓
4621CL-R9-1C	↓		↓
4621CL-R8-2A	Smooth texture plaster		
4621CL-R8-2B	↓		↓
4621CL-R7-2C	↓		↓
4621CL-R4-2D	↓		↓
4621CL-STAR-2E	↓		↓

Client Sample # (s): _____ Total # of Samples: 31

Relinquished (Client): *[Signature]* Date: 4/18/18 Time: 17:00

Received (Lab): *[Signature]* Date: 4/19/18 Time: 10:00 am

Comments/Special Instructions: EMFE 7954 3939 1507 1/5



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRADING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only)

Denver, CO 80204
Phone: (303) 740-5700
Fax: (303) 741-1400

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
4621CL-R2-3A	KNOCK DOWN TEXTURE		4/18/18
4621CL-R3-3B	↓		↓
4621CL-R1-3C			
4621CL-R8-3D			
4621CL-R2-3E	↓		
4621CL-R2-4A	TEXTURED PLASTER		
4621CL-R2-4B	↓		
4621CL-R2-4C			
4621CL-R5-5A	SMOOTH DRY WALL		
4621CL-R5-5B	↓		
4621CL-R5-5C			
4621CL-R11-6A	SMOOTH TEXTURE		
4621CL-R12-6B	↓		
4621CL-R12-6C	TEXTURE		
4621CL-R14-6D	↓		
4621CL-R13-6E			
4621CL-R11-6Q	↓		
4621CL-R5-7A	CERAMIC TILE		
4621CL-R5-7B	↓		
4621CL-R8-8A	VENT BOOT WRAP		
4621CL-R4-8B	↓		
4621CL-EX-9A	ASPHALT ROOF		
4621CL-EX-9B	↓		
☒			↓
*Comments/Special Instructions:			

D

LABORATORY RESULTS &
CHAIN OF CUSTODY -
LEAD & TCLP





EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

cinnaminsonleadlab@emsl.com

EMSL Order:	201804185
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone: (719) 225-6953
 Fax: (719) 542-2807
 Received: 04/19/18 1:30 PM
 Collected:

Project: **Central 70 / 18-3066-**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
4621-R2-1 Site: Peach	201804185-0001		4/21/2018	0.2706 g	<0.0080 % wt
4621-R2-2 Site: White	201804185-0002		4/21/2018	0.2677 g	<0.0080 % wt
4621-R2-3 Site: White-Post	201804185-0003		4/21/2018	0.2530 g	<0.0080 % wt
4621-R3-4 Site: Closet White	201804185-0004		4/21/2018	0.2533 g	<0.0080 % wt
4621-R3-5 Site: Tan	201804185-0005		4/21/2018	0.2683 g	<0.0080 % wt
4621-R9-6 Site: Orange	201804185-0006		4/21/2018	0.2605 g	<0.0080 % wt
4621-R8-7Q Site: Green	201804185-0007		4/21/2018	0.2686 g	<0.0080 % wt
4621-R2-8 Site: Cream	201804185-0008		4/21/2018	0.2735 g	<0.0080 % wt
4621-R10-9 Site: Closet Gray	201804185-0009		4/21/2018	0.2787 g	0.24 % wt
4621-R8-10 Site: Green	201804185-0010		4/21/2018	0.2620 g	<0.0080 % wt
4621-R9-11 Site: Window Frame- White	201804185-0011		4/21/2018	0.2772 g	<0.0080 % wt
4621-R4-12 Site: Fawm- Bedroom #	201804185-0012		4/21/2018	0.2554 g	<0.0080 % wt
4621-R13-13 Site: Tan	201804185-0013		4/21/2018	0.2625 g	<0.0080 % wt
4621-R13-14 Site: Gray	201804185-0014		4/21/2018	0.2501 g	<0.0080 % wt
4621-BAS-16 Site: Tan	201804185-0015		4/21/2018	0.2611 g	<0.0080 % wt

Phillip Worby, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 04/23/2018 10:35:50

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>cinnaminsonleadlab@emsl.com

EMSL Order:	201804185
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone: (719) 225-6953
 Fax: (719) 542-2807
 Received: 04/19/18 1:30 PM
 Collected:

Project: **Central 70 / 18-3066-****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
4621-OUT-19L Site: White Security Door	201804185-0016	4/21/2018		0.2602 g	<0.0080 % wt
4621-OUT-20 Site: Rail on Porch	201804185-0017	4/21/2018		0.2524 g	0.018 % wt
4621-OUT-21 Site: Paint on House	201804185-0018	4/21/2018		0.2647 g	0.013 % wt

Phillip Worby, Lead Laboratory Manager
 or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 04/23/2018 10:35:50

EMSL ANALYTICAL, INC.
200 Route 130 North
CINDAMINSON NJ 08077
Phone (800) 220-3675
Fax (856) 658-3502



Chain of Custody

EMSL Order Number (Lab Use Only):

201804185

PHONE:
FAX:

Company: All Phase Environmental		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different	
Street: 721 9th Street		If Bill to is Different note instructions in Comments**	
City: Pueblo	State/Province: CO	Zip/Postal Code:	Country:
Report To (Name): Richard Raestow		Telephone #:	
Email Address: Rick@allphaseenv.com		Purchase Order:	
Project Name/Number: CENTRAL 70 / 18-3066	Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email <input type="checkbox"/> Mail		
U.S. State Samples Taken: Colorado	Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential		

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability. Not all TAT options are valid for every test. Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air <input type="checkbox"/> NIOSH 7400 w/ 8hr TWA TEM - Air 4-4.5hr TAT(AHERA ONLY) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Water Fibers ≥10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	PLM - Bulk <input type="checkbox"/> PLM EPA 600/R-93/116 <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> NYS 198.1 (friable-NY) <input type="checkbox"/> NYS 198.6 (non-friable-NY) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/ Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> EPA Reg. 1 Screening Protocol (Qualitative) Other:
--	---	--

Lead (Pb) Flame Atomic Absorption <input checked="" type="checkbox"/> Chips SW846-7000B or AOAC 974.02 <input type="checkbox"/> Soil SW846-7000B/7420 <input type="checkbox"/> Air NIOSH 7082 <input type="checkbox"/> Wastewater SM3111B or SW846-7000B/7420 <input type="checkbox"/> ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> non ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> TCLP SW846-1311/7420/SM 3111B Graphite Furnace Atomic Absorption <input type="checkbox"/> Soil SW846-7421 <input type="checkbox"/> Wastewater EPA 200.9 <input type="checkbox"/> Air NIOSH 7105 <input type="checkbox"/> Drinking Water EPA 200.9	ICP <input type="checkbox"/> Air NIOSH 7300 Modified <input type="checkbox"/> non ASTM Wipe SW846-6010B or C <input type="checkbox"/> ASTM Wipe SW846-6010B or C <input type="checkbox"/> Soil SW846-6010 B or C <input type="checkbox"/> Waste Water SW846-6010B or C <input type="checkbox"/> TCLP SW846-6010B or C Other:	Materials Science <input type="checkbox"/> Common Particle ID (large particles) <input type="checkbox"/> Full Particle ID (environmental dust) <input type="checkbox"/> Basic Material ID (solids) <input type="checkbox"/> Advanced Material ID <input type="checkbox"/> Physical Testing (Tensile, Compression) <input type="checkbox"/> Combustion-by-products (soot, char, etc.) <input type="checkbox"/> X-Ray Fluorescence (elem. analysis) <input type="checkbox"/> X-Ray Diffraction (Crystalline Part.) <input type="checkbox"/> MMVF's (Fibrous glass, RCF's) <input type="checkbox"/> Particle Size (sieve/microscopy/laser) <input type="checkbox"/> Combustible Dust <input type="checkbox"/> Petrographic Examination Other:
--	---	---

Microbiology Wipe and Bulk Samples <input type="checkbox"/> Mold & Fungi - Direct Examination <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi Culture (Genus & Species) <input type="checkbox"/> Bacterial Count & ID (Up to Three Types) <input type="checkbox"/> Bacterial Count & ID (Up to Five Types) <input type="checkbox"/> MRSA <input type="checkbox"/> Pseudomonas aeruginosa Water Samples <input type="checkbox"/> Total Coliform & E.coli (P/A) <input type="checkbox"/> Fecal Coliform (SM 9222D) <input type="checkbox"/> Sewage Screen <input type="checkbox"/> Heterotrophic Plate Count (SM 9215)	Air Samples <input type="checkbox"/> Mold & Fungi (Spore Trap) <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi (Genus & Species) <input type="checkbox"/> Bacterial Culture & ID (Up to Three Types) <input type="checkbox"/> Bacterial Culture & ID (Up to Five Types) <input type="checkbox"/> Endotoxin Testing Real Time Q-PCR (See Analytical Guide for Code) Code: Legionella <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other:	IAQ Nuisance Dust NIOSH <input type="checkbox"/> 0500 <input type="checkbox"/> 0600 Airborne Dust <input type="checkbox"/> PM10 <input type="checkbox"/> TSP Silica Analysis: <input type="checkbox"/> All Species Silica Analysis - Single Species <input type="checkbox"/> Alpha Quartz <input type="checkbox"/> Cristobalite <input type="checkbox"/> Tridymite <input type="checkbox"/> HVAC Efficiency <input type="checkbox"/> Carbon Black <input type="checkbox"/> Airborne Oil Mist Radon Testing: Call for Kit and COC Other:
---	--	---

**Comments/Special Instructions:

Client Sample #'s		Total # of Samples:
Relinquished (Client): R Raestow	Date: 4/18/2018	Time: 17:00
Received (Lab): [Signature]	Date: 4/19/18	Time: 10:20 AM [Signature]

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

Controlled Document-OneChain-R3-11/8/2011

4/19/18 - RECD Samples 1-14; 19-21. And 1 bag w/o identification (TAN). - No sample rec'd 15,16,17,18
4/19/18 13079 - Rick emailed - proceed w/ analysis - bag w/ no id (tan) will be sample 16. Lu 4/19/18

4621



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Chain of Custody
EMSL Order Number (Lab Use Only):

201804185

PHONE:
FAX:

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1 ✓	4621-R2-1 Pedest		
2 ✓	4621-R2-2 white		
3 ✓	4621-R2-3 white tan white - Post		
4 ✓	4621-R3-4 closet white		
5 ✓	2261-R3-5 - TAN		
6 ✓	4621 R4-6 ORANGE		
7 ✓	4261 R8-7 GREEN		
8 ✓	426 R2-8 Cream		
9 ✓	426 - R10-9 - closet GRAY		
10 ✓	4261 - R8-10 Green		
11 ✓	426 - R9-11 window FRAM - white		
12 ✓	426 R4-12 FAUCET - Bedroom #		
13 ✓	426 R13-13 TAN		
14 ✓	4621-R13-14 GRAY		
* 15 ✓	4621-R14-15 BROWN		
* 16 ✓	4621 BAS 16 - TAN		
* 17 ✓	4621 BAS 17 - GRAY		
* 18 ✓	4621 BAS 18 - BROWN		
*Comments/Special Instructions:			

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

* no rec'd - emailed client - 4/19/18



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

cinnaminsonleadlab@emsl.com

EMSL Order:	201804159
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone: (719) 225-6953
 Fax: (719) 542-2807
 Received: 04/19/18 10:20 AM
 Collected:

Project: **Central 70 / 18-3066**

Test Report: Toxicity Characteristic Leachate Procedure (1311/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
4621-TCLP-1	201804159-0001		4/20/2018	<0.40 mg/L
Site: TCLP- All Over Building				

Phillip Worby, Lead Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Initial report from 04/24/2018 09:53:02

4621



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Chain of Custody
EMSL Order Number (Lab Use Only):

201804159

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINDAMINSON NJ 08077
PHONE (800) 220-3675
FAX (956) 858-3502

PHONE:
FAX:

Company: All Phase Environmental		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 721 9th Street		Third Party Billing requires written authorization from third party	
City: Pueblo	State/Province: CO	Zip/Postal Code:	Country:
Report To (Name): Richard Raczko		Telephone #:	
Email Address: Rick@allphaseenv.com		Purchase Order:	
Project Name/Number: CENTRAL 70 / 18-3066		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: Colorado		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability. Not all TAT options are valid for every test. Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air <input type="checkbox"/> NIOSH 7400 w/ 8hr. TWA TEM - Air <input type="checkbox"/> 4-4.5hr TAT(AHERA ONLY) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Water Fibers ≥10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	PLM - Bulk <input type="checkbox"/> PLM EPA 600/R-93/116 <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> NYS 198.1 (friable-NY) <input type="checkbox"/> NYS 198.6 (non-friable-NY) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/ Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> EPA Reg. 1 Screening Protocol (Qualitative) Other:
TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe-ASTM D6480		Materials Science <input type="checkbox"/> Common Particle ID (large particles) <input type="checkbox"/> Full Particle ID (environmental dust) <input type="checkbox"/> Basic Material ID (solids) <input type="checkbox"/> Advanced Material ID <input type="checkbox"/> Physical Testing (Tensile, Compression) <input type="checkbox"/> Combustion-by-products (soot, char, etc.) <input type="checkbox"/> X-Ray Fluorescence (elem. analysis) <input type="checkbox"/> X-Ray Diffraction (Crystalline Part.) <input type="checkbox"/> MMVF's (Fibrous glass, RCF's) <input type="checkbox"/> Particle Size (sieve/microscopy/laser) <input type="checkbox"/> Combustible Dust <input type="checkbox"/> Petrographic Examination Other:

Lead (Pb)

Flame Atomic Absorption <input type="checkbox"/> Chips SW846-7000B or AOAC 974.02 <input type="checkbox"/> Soil SW846-7000B/7420 <input type="checkbox"/> Air NIOSH 7082 <input type="checkbox"/> Wastewater SM3111B or SW846-7000B/7420 <input type="checkbox"/> ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> non ASTM Wipe SW846-7000B/7420 <input checked="" type="checkbox"/> TCLP SW846-1311/7420/SM 3111B	ICP <input type="checkbox"/> Air NIOSH 7300 Modified <input type="checkbox"/> non ASTM Wipe SW846-6010B or C <input type="checkbox"/> ASTM Wipe SW846-6010B or C <input type="checkbox"/> Soil SW846-6010 B or C <input type="checkbox"/> Waste Water SW846-6010B or C <input type="checkbox"/> TCLP SW846-6010B or C
Graphite Furnace Atomic Absorption <input type="checkbox"/> Soil SW846-7421 <input type="checkbox"/> Wastewater EPA 200.9 <input type="checkbox"/> Air NIOSH 7105 <input type="checkbox"/> Drinking Water EPA 200.9	Other:

Microbiology

Wipe and Bulk Samples <input type="checkbox"/> Mold & Fungi - Direct Examination <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi Culture (Genus & Species) <input type="checkbox"/> Bacterial Count & ID (Up to Three Types) <input type="checkbox"/> Bacterial Count & ID (Up to Five Types) <input type="checkbox"/> MRSA <input type="checkbox"/> Pseudomonas aeruginosa	Air Samples <input type="checkbox"/> Mold & Fungi (Spore Trap) <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi (Genus & Species) <input type="checkbox"/> Bacterial Culture & ID (Up to Three Types) <input type="checkbox"/> Bacterial Culture & ID (Up to Five Types) <input type="checkbox"/> Endotoxin Testing Real Time Q-PCR (See Analytical Guide for Code) Code:
Water Samples <input type="checkbox"/> Total Coliform & E.coli (P/A) <input type="checkbox"/> Fecal Coliform (SM 9222D) <input type="checkbox"/> Sewage Screen <input type="checkbox"/> Heterotrophic Plate Count (SM 9215)	Legionella <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other:

IAQ

Nuisance Dust NIOSH 0500 0600

Airborne Dust PM10 TSP

Silica Analysis: All Species
 Single Species
 Alpha Quartz Cristobalite Tridymite

HVAC Efficiency
 Carbon Black
 Airborne Oil Mist

Radon Testing: Call for Kit and COC
Other:

**Comments/Special Instructions:

Client Sample #'s	-	Total # of Samples:
Relinquished (Client):	R Ralston	Date: 04/18/18
Received (Lab):	WJW	Date: 4/19/18
		Time: 17:00
		Time: 10:20 h 1756

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

6b. Pre-Demolition Engineering Survey



Pre-Demolition Survey
And General Demolition Plan
For
4621 Clayton Street
Denver, CO 80216



Engineers: David A. Poe, P.E., S.E.
Glen L. Wilson, E.I.

June 28, 2018
Project No: 180113

June 28, 2018

Stephen P. Di Nardo
JKS Industries, LLC
747 Sheridan Blvd #9A
Lakewood, CO 80214

Re: 4621 Clayton Street, Denver, CO 80216
Pre-Demolition Engineering Survey per OSHA 1926.850(a)
And General Demolition Plan

Date of Observation: 06/26/18

Dear Mr. Di Nardo:

At the request of JKS Industries (JKS), a representative from Anchor Engineering, Inc. (AEI) performed a site observation at the above-referenced structure on Tuesday, June 26, 2018.

For the purpose of this report, there is one building on the property. The front elevation of the building faces east and is parallel to Clayton Street. There is an assumed detached storage shed foundation at the northwest corner of the property adjacent to the alley. The shed has been destroyed by fire and only the foundation and rubble from the structure remain. At the time of our visit the building was vacant.

The purpose of our site visit was twofold:

1. To give an assessment of the current condition of the structure as it relates to structurally related hazards before the proposed demolition activities. OSHA 1926.850 is stated below, along with project specific applicability to the subject buildings.

- a. **OSHA 1926.850(a):** *Prior to permitting employees to start demolition operations, an engineering survey shall be made, by a competent person, of the structure to determine the condition of the framing, floors, and walls, and possibility of unplanned collapse of any portion of the structure. Any adjacent structure where employees may be exposed shall also be similarly checked. The employer shall have in writing evidence that such a survey has been performed.*

Project Specific Applicability: The information contained in this report satisfies the requirement of this guideline. The subcontractor shall review this report and make a copy available to all employees on the project at the pre-project meeting, and it shall also be included in the job site books.

- b. **OSHA 1926.85(b):** *When employees are required to work within a structure to be demolished which has been damaged by fire, flood, explosion, or other cause, the walls or floor shall be shored or braced.*

Project Specific Applicability: The primary residential structure at 4621 Clayton Street, Denver, CO 80216 has not been damaged by any fire, flood, explosion, or any other event. An assumed storage shed located at the northwest corner of the property has been destroyed by fire and is no longer standing. Therefore, no shoring or bracing is required.

- c. **OSHA 1926.850(c):** *All electric, gas, water, steam, sewer, and other service lines shall be shut off, capped, or otherwise controlled, outside the building line before demolition work is started. In each case, any utility company which is involved shall be notified in advance.*

Project Specific Applicability: The contractor and subcontractor will ensure all electric, gas, water, steam, sewer, and other services are to be cut off prior to any work being performed. Contractor shall confirm

with KMP through the pre-demolition check list and present the necessary information in the pre-demolition meetings.

- d. **OSHA 1926.850(d)**: *If it is necessary to maintain any power, water or other utilities during demolition, such lines shall be temporarily relocated, as necessary, and protected.*

Project Specific Applicability: The demolition of 4621 Clayton Street, Denver, CO 80216 does not require any power, water or other utilities.

- e. **OSHA 1926.850(e)**: *It shall also be determined if any type of hazardous chemicals, gases, explosives, flammable materials, or similarly dangerous substances have been used in any pipes, tanks, or other equipment on the property. When the presence of any such substances is apparent or suspected, testing and purging shall be performed and the hazard eliminated before demolition is started.*

Project Specific Applicability: All types of hazardous chemicals, gases, explosives, flammable materials, or other dangerous substances shall be removed from the structure prior to demolition as part of the pre cleaning phase during the environmental remediation. All materials are to be documented, manifested, and included in the environmental close out documents.

- f. **OSHA 1926.850(f)**: *Where a hazard exists from fragmentation of glass, such hazards shall be removed.*

Project Specific Applicability: All hazards from fragmentation of glass shall be removed in the normal course of demolition.

- g. **OSHA 1926.850(g)**: *Where a hazard exists to employees falling through wall openings, the opening shall be protected to a height of approximately 42 inches.*

Project Specific Applicability: No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

- h. **OSHA 1926.850(h)**: *When debris is dropped through holes in the floor without the use of chutes, the area onto which the material is dropped shall be completely enclosed with barricades not less than 42 inches high and not less than 6 feet back from the projected edge of the opening above. Signs, warning of the hazard of falling materials, shall be posted at each level. Removal shall not be permitted in this lower area until debris handling ceases above.*

Project Specific Applicability: No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

- i. **OSHA 1926.850(i)**: *All floor openings, not used as material drops, shall be covered over with material substantial enough to support the weight of any load which may be imposed. Such material shall be properly secured to prevent its accidental movement.*

Project Specific Applicability: The building is a single story structure. Refer to the demolition sequencing section of this report for further information.

OSHA 1926.850(j): *Except for the cutting of holes in floors for chutes, holes through which to drop materials, preparation of storage space, and similar necessary preparatory work, the demolition of exterior walls and floor construction shall begin at the top of the structure and proceed downward. Each story of exterior wall and floor construction shall be removed and dropped into the storage space before commencing the removal of exterior walls and floors in the story next below.*

Project Specific Applicability: The building is a single story structure. Refer to the demolition sequencing section of this report for further information.

- j. **1926.850(k):** *Employee entrances to multistory structures being demolished shall be completely protected by sidewalk sheds or canopies, or both, providing protection from the face of the building for a minimum of 8 feet. All such canopies shall be at least 2 feet wider than the building entrances or openings (1 foot wider on each side thereof), and shall be capable of sustaining a load of 150 pounds per square foot.*

Project Specific Applicability: Not applicable. Building is a single story structure. No employees are permitted to enter the structure once demolition begins.

2. Provide a general outline of the demolition procedures and sequence that is proposed to be used in the demolition of the subject structure. These outlined procedures/sequences are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations.

No architectural or structural drawings were provided for our review.

The building is a single-story residential structure and is assumed to be founded on a spread footings. The original residence appears to be approximately 22'x26'-6" with the long direction oriented east to west. The structure has a full basement with concrete foundation walls and an assumed concrete slab on grade floor. The roof framing appears to span from east to west. An addition has been added to the structure that runs along the west side for approximately 30' and wraps around the northwest corner approximately 23' to the east. The addition is assumed to be founded on a concrete foundation with a crawlspace. The roof framing appears to span north to south. The wall and roof framing of the entire structure is assumed to be composed of dimension lumber framing.

Existing Condition Observation

During our site visit we made visual observations around the building perimeters only. The structure was partially exposed in some areas. All of the existing structural systems that were exposed to view appeared to be in good condition. We saw no evidence of noteworthy structural distress. It is our professional opinion that the possibility of un-planned collapse of any portion of the existing structures is very low. Workers may be allowed in the building to prepare them for demolition with such activities as removal of materials or other work that does not involve activities that affect existing structural systems.

Outline of Proposed Demolition Procedures, Equipment, and Sequence

Equipment

We anticipate demolition for this structure to be completed with heavy equipment including:

- "Track-hoe" excavators capable of reaching structural elements to be demolished. Excavators may be equipped at times with buckets/grapples, hydraulically actuated demolition hammers or shears, and other custom extensions for demolition and/or holding elements for temporary stability.
- Small skid steer loaders may also be utilized from time to time during demolition

Demolition Sequencing

General

After the commencement of demolition with heavy equipment, by necessity, structural systems from this point forth will be destroyed. Demolition should proceed as fast as practical until the structure is demolished in its entirety. The lateral stability of the buildings are provided by the perimeter wood-framed walls.

During demolition operations, care must be taken to protect and prevent damage to any active or live utilities both above and below ground.

During demolition, water will be used to wet down the area that is being demolished prior to starting the demolition. During the demolition process a water spray will be used to minimize the fugitive particulate matter emissions. The ground will be sprayed with water either by water truck or some type of water spray to minimize fugitive particulate emissions from haul trucks and demolition equipment.

Sequence

The demolition should begin at the west side of the addition and proceed east through the addition. Once the addition has been removed, the building superstructure may be collapsed into the basement starting at the northwest corner of the building and proceeding thru the length of the building to the south. Do not drive equipment onto the footprint of the building until the structure has been collapsed. The detached storage shed foundation may be removed in any sequence. The alley may require temporary closure during demolition procedures to prevent public endangerment. The north side of the addition is in close proximity to the north property line. The property is bordered on the north by a private residence which was not scheduled for demolition at the time of this report. The property is bordered on the south by a private residence which was not scheduled for demolition at the time of this report. Once the roof, wall, and floor systems are demolished, the slab on grade and foundations can be removed in any sequence.

Closing

This report constitutes an engineering review and summary of the pre-demolition condition of the structural systems of the subject buildings as well as a general outline of demolition procedures and sequencing. Note that the conclusions drawn are based on visual observations and our expertise and experience with structural engineering of building structures. Unless noted otherwise, no non-destructive or destructive testing of any kind was performed, nor was any formal engineering analysis completed. These procedures/sequences outlined herein are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations. Anchor Engineering, Inc. shall be held harmless for damage of any kind to surrounding structures or property or for injury of any kind to any person or persons. The demolition contractor is responsible for jobsite safety. The conclusions presented in this report are based on conditions noted at the time of the observation. Commentary or recommendations regarding environmental issues are beyond the scope of this report. Should questions arise, or if further information is required regarding the content of this report, please contact our office.

Sincerely,
Anchor Engineering, Inc.

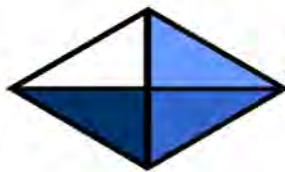

Glen L. Wilson, E.I.
Design Engineer

Reviewed By:



David A. Poe, P.E., S.E.
Principal

7. Asbestos Clearance Report



ALL-PHASE

ENVIRONMENTAL CONSULTANTS, INC.

September 21, 2018

Interior Air Monitoring Clearance (Textured Walls and Ceilings/Duct Wrap)

Re: AP-70 – 4621 Clayton
Denver, Colorado 80216

To Whom It May Concern:

On, September 20, 2018, Rick Ralston, Colorado Certified Asbestos Building Inspector and Colorado Air Monitoring Specialist with All-Phase Environmental Consultants, Inc. (APEC), conducted Air Monitoring clearances at the above referenced Subject Property. A visual inspection and air samples were collected inside the abatement containment to ensure that the asbestos fiber counts are below the regulated standard to guarantee this area is safe to re-occupy.

The September 5th Containment Air clearance consisted of five (5) 0.08um sampling cassettes, five (5) 1-16 liter per minute pumps, along with three (3) 20-inch box fans and a one-horse power leave blower used to perform an aggressive clearance of the containment. ***All-Phase Environmental is an approved and certified Colorado Department of Public Health and Environment asbestos laboratory.***

Microscopic inspection of the above-mentioned samples were conducted in the All Phase Environmental PCM laboratory. This inspection verified that ALL the samples taken were at or below 0.01 fiber per cubic centimeter as required by the Colorado Department of Public Health and Environmental standard for a safe room or area. See Lab analytical results attached to this document.

Based on the visual inspection and the analytical results, this area is considered safe to re-occupy.

APEC will not be held responsible for the mishandling of the information contained herein, and/or any items found after September 20, 2018

Please feel free to call with any questions and or concerns.

Sincerely,

Richard L. Ralston
Colorado Certified Asbestos Inspector - 4261
Colorado Certified AMS - 4261



Colorado Department
of Public Health
and Environment

ASBESTOS LABORATORY

This certifies that

All Phase Environmental Consultants, Inc.

Registration No.: AL - 24462

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos laboratory testing activities, as required by Regulation No 8, Part B, in the state of Colorado.

Issued: April 20, 2018

Expires: April 20, 2019

Authorized APCD Representative

SEAL

8. Materials Summary

December 26, 2018

Jenn Bradtmueller
 Kiewit Infrastructure Co.
 160 Inverness Drive West, Suite 110
 Englewood, CO 80112

RE: AP-70 4621 Clayton St. – Summary of Removed Materials

Dear Jenn,

Below is a summary of the materials removed from the 4621 Clayton St. Denver, CO 80216. For more details regarding the location of the Asbestos Containing Materials (ACM) and the asbestos content please refer to the Table 3-1A of the All Phase Environmental SSAR (page 14).

Material Removed	Quantity
Asbestos Containing Plaster	957 SF
Asbestos Containing Vent Boot Wrap	12 SF
Regulated Building Materials	2 Lightbulbs
Clean Demolition Debris	478,800 Lbs

If you have any questions or require further information regarding these quantities, please contact me at 303-238-0207.

Sincerely,
JKS Industries, LLC



Jeffrey Knight
 President

9. Waste Manifests

9a. Asbestos Waste Manifests



ASBESTOS NESHAP WASTE SHIPMENT RECORD

4.34T

AP-70 18-305

CWMI

1. Generator ID Number N / A		2. Page 1 of		3. Emergency Response Phone 800-424-9300		4. Waste Tracking Number 2234859	
5. Generator's Name and Mailing Address COLORADO DEPARTMENT OF TRANSPORTATION 747 SHERIDAN BLVD UNIT 9A LAKEWOOD CO 80214				Generator's Project Address (if different than mailing address) 4621 Clayton DENVER, CO			
Generator's Phone: (303) 512-5000							
6. Transporter 1: Complete Company Name and Address						Transporter Phone	
7. Transporter 2: Complete Company Name and Address						Transporter Phone	
8. Designated Disposal Facility Name and Site Address DENVER ARAPAHOE DISPOSAL 3500 S GUN CLUB RD AURORA CO 80018						Facility's Phone: (720) 876-2620	
9. Waste Shipping Name, Description, & Profile Number				10. Containers		11. Total Quantity	12. Unit Wt./Vol.
				No.	Type		
1. RQ, NA 2212, Asbestos, 9,PG III 12677500						30 yds	NONE
2.							
13. Regulatory Agency: Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80222-1530				Emergency Notification: CHEMTREC (800) 424-9300 24-hour Toll Free Number			
14. Bill to & Account Number: Customer Acct #: D 14925 Customer Name: JKS INDUSTRIES							
15. Contractor/Generator Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/ placarded, and are in all respects in proper condition for transportation and disposal according to applicable national and state governmental regulations. I hereby certify that the above described waste is not a hazardous waste as defined by federal, state or local regulations and does not contain regulated quantities of PCB's or radioactive materials.							
Generator's/Offeror's Printed/Typed Name Jenn Bradtmueller				Signature [Signature] on behalf of CDOT		Month Day Year 8 10 18	
16. Transporter Acknowledgement of Receipt of Materials							
Transporter 1 Printed/Typed Name Jose Casike				Signature [Signature]		Month Day Year 9 24 18	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
17. Special Handling Instructions Soil originating from the above site shall not be used as daily cover or sold as clean fill.							
18. Discrepancy Indication Space:						19. Ticket # 3221650	
Initials of Person noting discrepancy				Signature		Date	
20. Management Method/Location Landfill _____ Monofill <u>6</u> Location:							
21. Designated Disposal Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18							
Printed/Typed Name Maneck Clark				Signature [Signature]		Month Day Year 9 24 18	

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

9b. RBM Manifest

WASTE BILL OF LADING & CERTIFICATE OF RECYCLING		P/U Fees: \$25 \$30 \$40 \$45 \$55	BOL#: 27201
<input checked="" type="checkbox"/> Universal Waste	4' Jumbo ___ 4' Box ___ 8' Jumbo ___ 8' Box ___	\$65 ___ \$75 ___ \$85 ___ \$95 ___ \$105 ___	Shipment Date: 11/6/18
<input type="checkbox"/> TSCA Waste	HID Box ___ Battery Box ___ 6.5 Gallon Pail ___	\$115 ___ \$125 ___ \$135 ___ \$145 ___ \$155 ___	
<input type="checkbox"/> Special Waste	14-G PD ___ 30-G PD ___ 55-G PD ___ CY Bx ___	Labor Charges: \$ ___	Emergency Contact (877) 331-2149 Extension 4
Generator Of Waste:	95-G PD ___ 55-G SD ___ 85-G SD ___ GL Box ___	Off Spec. Charge: \$ ___	
Name:	Bill To: <u>TKS Inc</u>	Name: <u>TKS Industries</u>	
Address:	Address: <u>747 Sheridan Blvd.</u>	Address: <u>747 Sheridan Blvd.</u>	
City, State, Zip:	City, State, Zip: <u>Lakewood Co. 80214</u>	City, State, Zip: <u>Lakewood Co. 80214</u>	
Contact:	Contact: <u>Jeff Knight</u>	Contact: <u>Jeff Knight</u>	
Phone:	Phone: <u>720-462-4410</u>	Phone: <u>720-462-4410</u>	
Fax:	Fax:	Fax:	
PO#	PO#	PO#	
Job#	Job#	Job#	

WASTE BROKERAGE FACILITY:	EPA ID#: COR000231449
<input checked="" type="checkbox"/> R8E, LLC	Destination Facility For Universal Waste
4810 Newport Street	Large Quantity Handler of Universal Waste
Commerce City Colorado 80033-2244	Hazardous Waste Transporter/Transfer Facility
(p) 303-424-4887 (f) 303-424-9193	Used Oil Transporter/Transfer Facility
Email: Mike@R8Enviro.com	US DOT #: 050108 550 051Q HMP-20746
www.R8Enviro.com	US DOT #1781660 CO TSCA - EPA Approved PCB Handler

Container	Waste Common Name	DOT Description	Total Quantity	Unit / Wt. Volume
2 CF	4' & UNDER FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	5' & OVER FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	12	ea
	UTUBE FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	CIRCULAR FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
1 CF	COMPACT FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	49	ea
	HID MERCURY/HALIDE/SODIUM LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	21	ea
	SHIELD/COATED/GROOVED LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	INCANDESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	36	ea
	UV/ARC/IGNITRON LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	BROKEN LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
	CRUSHED FLUORESCENT LAMP/S RECYCLING (processed)	Non-DOT Regulated (per 49 CFR 173.164(e))		
	PCB WASTE RECYCLE/INCINERATION/MICROENCAP	RQ, UN3432, Polychlorinated biphenyls, Solid, 9, PGIII, ERG#171		
	NON-PCB BALLAST RECYCLE/MICROENCAPSULATION	Non-RCRA / Non-DOT Regulated Waste		
	ESCRAP RECYCLING	Non-DOT Regulated	110	P
	MERCURY DEVICE RECYCLING	UN3506, Mercury Contained in Manufactured Articles, 8 (6.1), PGIII, ERG#172		
	LEAD ACID BATTERY RECYCLING	UN2794, Batteries, Wet Filled w/ Acid, 8, PGIII, ERG#154		
	ALKALINE BATTERY RECYCLING	Batteries, Dry, sealed, n.o.s. Specail Provision 130		
	NICKEL (Ni-Cad) BATTERY RECYCLING	Batteries, Dry, sealed, n.o.s. Specail Provision 130		
	LITHIUM METAL BATTERY RECYCLING - DOT 173.185(d)	UN3090, Lithium Batteries, 9, PGII, ERG#138		
	LITHIUM Ion BATTERY RECYCLING - DOT 173.185(d)	UN3480, Lithium Batteries, 9, PGII, ERG#138		
	WASTE OIL RECYCLING	Special Waste Liquid	1	GAZ
	WASTE GLYCOL RECYCLING	Special Waste Liquid		
	WASTE AEROSOLS	UN1950, Aerosols, Flammable, 2.1, ERG#126		
71 GALLON	WASTE LATEX PAINT	Special Waste Liquid	71	GAZ
	LOW RADIATION CONTAINING SMOKE DETECTORS	Special Waste Solid, Nuclear Regulatory Law 10 CFR 32.37		
	FIRE EXTINGUISHER(S)	Special Waste Solid		
	METALS RECYCLING	Special Waste Solid		
	MISCELLANEOUS RECYCLING <u>3 MICROWAVES</u>			
	MISCELLANEOUS RECYCLING <u>6 Large Fridges</u>		6	ea

Generator Certification: This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Unpaid invoices will be assigned to a licensed Collection Agency and subject to Collection Agency Fee's, Attorney's Fee's, Court Costs and Interest.

Signature: <u>[Signature]</u>	Title: <u>Operator</u>	Print Name: <u>Jesus Casado</u>	Date: <u>11-6-18</u>
Transporter 1 Name: <u>Jesus Casado</u>	Transporter 2 Name: _____	Phone Number: <u>720-245-1685</u>	Phone Number: _____
Signature: <u>[Signature]</u>	Date: <u>11-6</u>	Signature: _____	Date: _____

Receiving, subject to the classification and regulations in effect on the date of issue of the Bill of Lading, the property described above is in apparent good order. Please retain a copy of this document as the "Certification of Recycling" for the items and quantities listed above.

Signature: [Signature] Date: 11/6/18

February 14, 2018

CDOT

RE: Regulated Building Materials Manifests in SSCRs

To whom it may concern;

This letter is to explain the "SSCR Tracking Sheet" JKS Industries prepared for the purpose of documenting the manifests for the Regulated Building Materials (RMBs) included in the SSCR's.

The attached table describes how we have batched the RBM manifests per property. Here is a brief description of each grouping:

- Group 1 Independent: Each of the properties in this group has/will have its own RBM manifest. These manifests will be included in the SSCR for each property.
- Group 2 Pilot: The RBMs were removed from these properties and taken to the Pilot Truck Stop (AP-86). The reason for this, is that the volume was so low it was more cost effective just to lump them in with the Pilot RBMs than to have a separate pickup. There is no way to separate the inventories of these properties from the Pilot. The manifest will be included in the SSCR for each property.
- Group 3 Independent: The RBMs for these properties were removed and taken to the JKS warehouse for a single pick-up. A detailed inventory for these properties will be included in the individual SSCRs as well as a copy of the bulk pick-up manifest.
- Group 4 Not Required: The RBMs for these properties were removed prior to Kiewit taking possession of the property. This will be clarified in each individual SSCR for these properties.
- Group 5 AP-122: The RBMs for these properties were taken to AP-122. The reason for this, is that the volume was so low it was more cost effective just to lump them in with the RBMs at AP-122 than to have a separate pickup. An inventory for these properties were taken and will be included in the SSCR along with the RBM manifest.

An indication as to whether or not RBMs were removed will be found in the "Closeout Letter" portion of each SSCR; any additional notes or details will be found in the "Materials Summary" portion. Please reach out to us if you need any further clarification.



Stephen P. DiNardo

Director of Quality Management, JKS Industries

Regulated Building Material Groupings and Aconex Close Out #

Revision Date

2/11/2019

##	Parcel #	Site Address	RBM Groupings					Close Out Documents
			Group 1 Independent	Group 2 Pilot	Group 3 JKS	Group 4 Not Required	Group 5 AP-122	SSCR Aconex #
1	AP-8	4618 High St.			Complete			C70-JKS-ENV-RPT-000014
2	AP-14	4617/4625 Race St.			Complete			Not Demo'd
3	AP-23	4639 Vine St.				Not Required		C70-JKS-PRM-RPT-000012
4	AP-28	4646 Vine St.			Complete			C70-JKS-ENV-RPT-000011
5	AP-33	4637 Claude Ct.		Complete				C70-JKS-ENV-RPT-000002
6	AP-34	4639 Claude Ct.		Complete				C70-JKS-ENV-RPT-000003
7	AP-42	4620 Claude St.				Not Required		C70-JKS-ENV-RPT-000004
8	AP-49	2381 E. 46th Ave.			Complete			C70-JKS-ENV-RPT-000023
9	AP-49A	2381 E. 46th Ave.			Complete			C70-JKS-ENV-RPT-000018
10	AP-53	4608 Josephine			Complete			C70-JKS-ENV-RPT-000015
11	AP-68	4601 Clayton					Complete	SSCR in Process; Due 2/18
12	AP-66	2615 E. 46th	Complete					C70-KIE-ENV-RPT-000004
13	AP-69	4611 Clayton			Complete			SSCR in Process; Due 2/18
14	AP-70	4621 Clayton			Complete			C70-JKS-ENV-RPT-000008
15	AP-72	4550 Clayton			Complete			C70-JKS-ENV-RPT-000021
	AP-72A	2716 E 46th Ave			Complete			C70-JKS-ENV-RPT-000019
16	AP-73	4600 Clayton				None Found		SSCR in Process; Due 2/18
17	AP-74	4610 Clayton				None Found		C70-JKS-ENV-RPT-000025
18	AP-75	4620 Clayton			Complete			C70-JKS-ENV-RPT-000009
19	AP-77	4615 Fillmore			Complete			C70-JKS-ENV-RPT-000012
20	AP-78	4625 Fillmore			Complete			C70-JKS-ENV-RPT-000016
21	AP-79	4605 Fillmore			Complete			C70-JKS-ENV-RPT-000017
22	AP-80	4610 Fillmore			Complete			C70-JKS-ENV-RPT-000024
23	AP-81	4620 Fillmore			Complete			C70-JKS-ENV-RPT-000020
24	AP-83	4625 Milwaukee			Complete			C70-JKS-ENV-RPT-000026
25	AP-86	3223 E. 46th Ave.	Complete					C70-JKS-ENV-RPT-000007
26	AP-86B	3455 E. 46th Ave.	Complete					C70-JKS-ENV-RPT-000005
27	AP-93	3538 E 46th Ave				No Survey		On Hold till 2020
28	AP-93A	3600 E 46th Ave Office				No Survey		On Hold till 2020
29	AP-102	4625 Colorado Blvd	Complete					Not Demo'd
30	AP-109E	5125 E. Stapleton N. Dr.	Complete					Demolition in Process
31	AP-109W	5175 E. Stapleton N. Dr.	Complete					Demolition in Process
32	AP-122	5601 E. Stapleton N. Dr.					Complete	On Hold till 2020
33	AP-185	4542 Filmore			Complete			C70-JKS-ENV-RPT-000010
34		Pump House						C70-JKS-ENV-RPT-000013

Group Details:

Group 1: Each property will have it's own individual RBM manifest

Group 2: RBMs from these properties went to the Pilot (AP-86) and will be on the Pilot Manifest

Group 3: RBMs for these properties were picked up in bulk. Refer to materials summary for detail on the actual RBMs removed for each property

Group 4: RBMs for these properties were either removed by Kiewit ("Not Required"), none were found ("None Found"), or the survey has not been released yet ("No Survey")

Group 5: RBMs from these properties went to AP-122 and will be on the manifest for AP-122

10. Weight Tickets

10a. Daily Load Trackers and Associated Truck Tickets

Date: 10-22-18

Project: Ap 70 18-305

Prepared By: _____

Dump Site Ticket

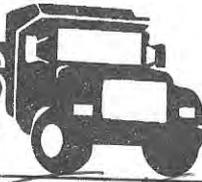
Arrival Time	Departure Time	Load #	Truck #	Material Code	Description	Tons/Yards	Dump Site	Number
8:30	8:50	1	CH575	trash	Demo debris	18 yds	Dads	
8:50	9:10	2	CH376	trash	Demo debris	18 yds	Dads	
9:10	9:35	3	CH343	trash	Demo debris	18 yds	Dads	
10:25	10:50	4	CH575	trash	Demo debris	18 yds	Dads	
10:50	11:15	5	CH376	trash	Demo debris	18 yds	Dads	
11:15	11:25	6	CH343	trash	Demo debris	18 yds	Dads	
12:55	1:20	7	CH575	trash	Demo debris	18 yds	Dads	
1:25	1:50	8	CH376	trash	Demo debris	18 yds	Dads	
9:15	9:30	9	CH333	trash	Demo debris	18 yds	Dads	
7:30	7:50	10	CH376	trash	Demo debris	18 yds	Dads	
7:50	8:05	11	CH575	trash	Demo debris	18 yds	Dads	
9:30	9:50	12	CH376	trash	Demo debris	18 yds	Dads	
9:50	10:10	13	CH575	trash	Demo debris	18 yds	Dads	
11:15	11:25	14	CH376	trash	Demo debris	18 yds	Dads	
11:25	11:55	15	CH575	trash	Demo debris	18 yds	Dads	
1:10	1:20	16	CH376	trash	Demo debris	18 yds	Dads	
1:25	1:50	17	CH575	trash	Demo debris	18 yds	Dads	
3:00	3:20	18	CH376	trash	Demo debris	18 yds	Dads	
3:20	4:00	19	CH575	trash	Demo debris	18 yds	Dads	

Legend:
Materials:
R = Recycle
T = Trash

Description:
Concrete, Asphalt, Asbestos, Lumber,
Construction Debris, Trash, Metals,

CHACON'S

construction & transport



No. 8530

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: *J.A.S*

DISPATCHED BY:

DATE: *10/22/18* JOB DESCRIPTION:

TRUCK # *CH 376*

TANDEM TRAILER

MATERIAL *Demo*

	LOADS	UNLOADS
JOB#		
LOAD AT		<i>DADS</i>
<i>4621 Clayton</i>		<i>DADS</i>
		<i>DADS</i>
		<i>(e)</i>
UNLOAD AT		
<i>DADS</i>		
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME <i>7:30</i>		
STOP TIME <i>2:30</i>		
TOTAL HOURS		
<i>7</i>		

OWNER OF TRUCK:

DRIVER'S NAME <i>Jose</i>	AUTHORIZED SIGNATURE <i>Jose</i>
------------------------------	-------------------------------------

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



No. 7020

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: J K S INDUSTRIES

DISPATCHED BY:

DATE: 10/22/18 JOB DESCRIPTION:

TRUCK # CH 343 T-70 DEMO

TANDEM TRAILER

MATERIAL DEMO

	LOADS	UNLOADS
JOB# <u>AP-70</u>		
LOAD AT <u>CLAYTON</u> <u>46th</u>	<u>11</u>	
UNLOAD AT <u>D.A.D.S</u>		
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME <u>7:30 AM</u>		
STOP TIME <u>2:30</u>	<u>MF</u>	
TOTAL HOURS <u>7 hr</u>		
OWNER OF TRUCK:		

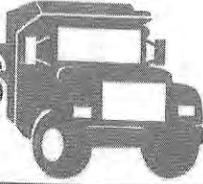
DRIVER'S NAME
M.A. CH.

AUTHORIZED SIGNATURE
J K S

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S

construction & transport



No. 50831

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS

DISPATCHED BY: CHACON'S

DATE 10-22-18

JOB DESCRIPTION:

TRUCK # CH575

TANDEM TRAILER

MATERIAL MISC

	LOADS	UNLOADS
JOB#	III	
LOAD AT 4621-CLAYTON	(e)	
UNLOAD AT DADS		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30A		
STOP TIME 3:30		
TOTAL HOURS	✓ MP	
8		

OWNER OF TRUCK:

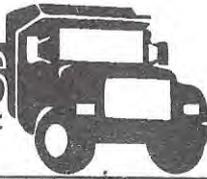
DRIVER'S NAME
[Signature]

AUTHORIZED SIGNATURE
[Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



No. 8564

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS Const
 DISPATCHED BY: Chacons Const
 DATE: 10-23-18
 TRUCK # CH 333
 TANDEM TRAILER
 MATERIAL DIT

JOB DESCRIPTION:

	LOADS	UNLOADS
JOB#	loads #	
LOAD AT Pilot Hwy 70 York st	8:10 Henderson	485868 ✓
	10:10 Dads	Ap 70 ✓
	11:50 Henderson	486116 ✓
	1:00 Henderson	486042 ✓
UNLOAD AT Henderson pit Dads		②
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:00		
STOP TIME 3:00		
TOTAL HOURS		
8:00	MF	
	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED SIGNATURE
Justin Castillo	[Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S

construction & transport



No. 8532

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: J.F.S.

DISPATCHED BY: Chacon's

DATE: 10/24/18 **JOB DESCRIPTION:** Demo homes

TRUCK # CH376

TANDEM **TRAILER**

MATERIAL Demo

	LOADS	UNLOADS
JOB#	1	D.A.D.S.
LOAD AT	1	D.A.D.S.
421 Clayton St	1	D.A.D.S.
	1	D.A.D.S.
	1	D.A.D.S.
UNLOAD AT		D.A.D.S.
D.A.D.S.		(10)
RATE \$		
HOURLY <input type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30		
STOP TIME 5:30		
TOTAL HOURS		
10	✓ HF	
OWNER OF TRUCK: Miguel		

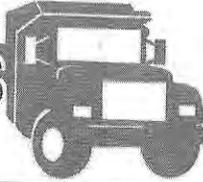
DRIVER'S NAME: Sose

AUTHORIZED SIGNATURE: [Signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS

construction & transport



No. 50833

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS

DISPATCHED BY: CHACONS

DATE 10-24-18

JOB DESCRIPTION:

TRUCK # CH575

DEBRIS from 4621
CLAYTON

TANDEM TRAILER

MATERIAL MISC-

to dad's landfill

	LOADS	UNLOADS
JOB#		
LOAD AT		
4621 CLAYTON ST		(10)
UNLOAD AT		
DAD'S LANDFILL		
RATE \$		
HOURLY <input checked="" type="checkbox"/> TONMILE <input type="checkbox"/>		
START TIME 7:30 ^{AM}		
STOP TIME 5:30 ^{PM}		
TOTAL HOURS		

OWNER OF TRUCK:

DRIVER'S NAME

AUTHORIZED SIGNATURE

Not due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

10b. Waste Weight Tickets

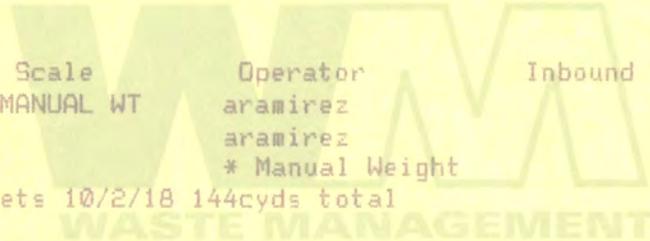


2091267

Denver Arapahoe Disposal
3500 S Gun Club ; PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3243535

Customer Name JKSINDUSTRIESLLC JKS Industri Carrier JKS INDUSTRIES JKS INDUSTRIES
Ticket Date 10/22/2018 Vehicle# 1 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0014925
State Waste Code Gen EPA ID
Manifest Grid
Destination
PO
Profile ()
Generator



Time	Scale	Operator	Inbound	Gross	2 lb*
In 10/22/2018 08:16:17	MANUAL WT	aramirez		Tare	1 lb*
Out 10/22/2018 08:16:17		aramirez		Net	1 lb
		* Manual Weight		Tons	

Comments green drop tickets 10/2/18 144cyds total

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 CDY-CONST DEBRIS - 100		144.00	Yards				

Total Fees
Total Ticket

402WM-N

Driver's Signature



Date: 10-22-18

Ticket#: AP-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____ *M. J. J. S.*

Date: 10-22-18

Ticket#: AP-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

Date: 10-22-18

Ticket#: AP 70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

Date: 10-22-18

Ticket#: AP-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

Date: 10-22-18

Ticket#: AP-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: M. ACH

Date: 10-22-18

Ticket#: AP-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS 25 YDS HIGHSIDES

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: M. ACH



2097750

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3244564

Customer Name JKSINDUSTRIESLLC JKS Industri Carrier JKS INDUSTRIES JKS INDUSTRIES
Ticket Date 10/23/2018 Vehicle# 1 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0014925
State Waste Code Gen EPA ID
Manifest Grid
Destination
PO
Profile ()
Generator

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	10/23/2018 07:19:17	MANUAL WT	aramirez		Tare	1 lb*
Out	10/23/2018 07:19:17		aramirez		Net	1 lb
			* Manual Weight		Tons	

Comments 4 green drop tickets = 72 cyds total

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1		72.00	Yards				

Total Fees
Total Ticket

402WM-N

Driver's Signature





2475463

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3245609

Customer Name	JKSINDUSTRIESLLC	JKS Industri	Carrier	JKS INDUSTRIES	JKS INDUSTRIES
Ticket Date	10/24/2018		Vehicle#	1	Volume
Payment Type	Credit Account		Container		
Manual Ticket#			Driver		
Hauling Ticket#			Check#		
Route			Billing #	0014925	
State Waste Code			Gen EPA ID		
Manifest			Grid		
Destination					
PO					
Profile	()				
Generator					

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	10/24/2018 08:39:30	MANUAL WT	aramirez		Tare	1 lb*
Out	10/24/2018 08:39:30		aramirez		Net	1 lb
			* Manual Weight		Tons	

Comments 10 loads in drop box 10/24/18 = 180cyds total

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1		180.00	Yards				

Total Fees
Total Ticket

402WM-N

Driver's Signature



Date: 10-24-18

Ticket#: AP-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

10x18 = 1800 yds

Date: 10-24-18

Ticket#: AP-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: _____

Date: 10-24-18

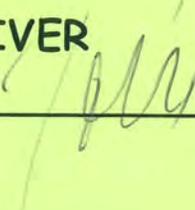
Ticket#: AP 70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: _____ DRIVER 

Date: 10-24-18

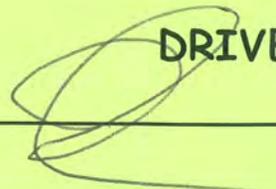
Ticket#: AP 70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

Signature: _____ DRIVER 

Date: 10-24-18

Ticket#: Ap-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____



Date: 10-24-18

Ticket#: Ap-70

ACCT#:306-14925

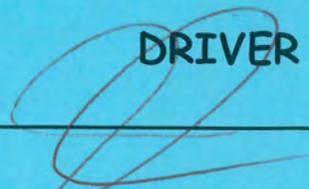
JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____



Date: 10-24-18

Ticket#: AP 70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

Date: 10-24-18

Ticket#: AP 70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓

25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

Date: 10-24-18

Ticket#: AP-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

Date: 10-24-18

Ticket#: AP-70

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

11. Dump Diversion Summary

JKS Industries
AP-70: 4621 Clayton St.

Descriptions		Dump Diversion / Recycle %								
Phase	Activity	Unit of Measure	# of Yards per Container	# of Containers	Total Number of Yards	Pounds Per Yard **	Total Lbs	Recycled Yes/No	Pounds of Recycle or Dump Diversion	% of Recycle or Dump Diversion
Demolition	Demolition Construction Debris	Cubic Yard	18	19	342.00	1,400.00	478,800			
Demolition	Concrete Debris	Cubic Yard	12	-	-	4,050.00	-	x	-	0.00%
Demolition	Trees	Cubic Yard	-	-	-	500.00	-	x	-	0.00%
Demolition	Steel	Lbs	12	-	-	1,000.00	-	x	-	0.00%
Demolition	Copper	Lbs					-	x	-	0.00%
				19	342.00		478,800		-	0.00%

STUDY NOTES

- 1 The source material used for the Volume to Weight conversions came from Waste Management web site.
- 2 Conversions ratio's have been modified based on estimated compaction.

12. Containment Entry/Exit Log

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 09-11-13

	NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1.	Andre Williams	7:30	10:00	12:50	2:30
2.	Paul Williams	6:50	11:30	12:30	3:45
3.	Wilson L. Williams	6:55	11:30	12:30	3:45
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

Wed

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 09-12-18

	NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1.	Andre Williams	8:00	10:00	2:00	3:20
2.	Paul Williams	6:50	11:30	12:30	3:50
3.	Victor Lerhen	6:50	11:30	12:30	3:50
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

Thursday

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 09-13-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Andre Williams	11:30	12:00		
2. Paul Williams	6:50	11:30	12:30	3:48
3. Victor Lerman	6:50	11:30	12:30	3:55
4. David Schlotz	7:20	11:30	12:30	3:45
5. Lucia Gasper	7:20	11:30	12:30	4:00
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

JKS INDUSTRIES

Friday

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date:

09-14-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Andre Williams				
2. Paul Williams	6:50	12:30		
3. Victor Larmu	6:50	12:30		
4. Lucia Gaspar	6:50	12:30		
5. David Skote	6:50	12:30		
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

Monday

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 09-17-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Andrew Williams	7:00	8:00	1:00	2:00
2. Paul Williams	7:00	12:00	1:00	4:45
3. Ludwig Ganspach	7:00	12:00	1:00	4:45
4. David Schlotz	7:00	12:00	1:00	4:45
5. Vito or Lermh	7:00	12:00	1:00	4:45
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

Tuesday

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date:

09-18-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Andrew Williams	12:00	12:45		
2. Paul Williams	6:50	11:50		
3. Luca Gaspar	6:55	11:50		
4. Victor Lerman	6:50	11:50		
5. David Scholte	7:41	11:50		
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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15.				
16.				
17.				
18.				
19.				
20.				

13. Daily Logs

JKS INDUSTRIES LLC DAILY PROJECT LOG

Job # 18-305
Date 8 15 18

Job Name: Ap-20 4621 Clayton St
Day WEDS Month 8

Report # 2
Year 1

Project Manager Ruben D

Superintendent Geo

Work Performed Today		Weather: <u>Clear-</u>		
WORK PLAN & Safety brief. Then stretch & bend. Continue set up starting with completing criticals - move onto the set up of full containment & shower set up complete go Hot in the morning		Temp. Hi <u>86°</u> Low <u>74°</u>		
		Safety Meeting		
		Topic:		
		Work Force	Number	
		Project Manager	<u>1</u>	
		Project Supervisor	<u>1</u>	
		Operators		
		Laborers	<u>3</u>	
		Tradesmen		
		Other:		
		Other:		
		Other:		
		Materials Used	Quantity	
		6 mil	<u>x 2</u>	
		4 mil	<u>.50</u>	
		Tape	<u>x 10</u>	
		glue	<u>x 6</u>	
		Material Purchased/Delivered		
Problems - Delays, Safety Issues				
<u>Still no genly or water source</u>				
Subcontractor Progress				
Inspections				
Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
<u>Generator</u>	<u>UNITED</u>	<u>YES</u>		
<u>Water Buffalo</u>	<u>OWNED</u>	<u>NA</u>		
Visitors (Incl. Subs, Clients, etc)				
Time In/Time Out	Activity Onsite			
<u>2:15 pm / 2:30</u>	<u>Prep Delivery of Genly & Water</u>			

JKS INDUSTRIES LLC DAILY PROJECT LOG

Job # 18-305
 Date 09-11-2018

Job Name: Keweenaw AP-70

Day Tuesday

Month Sept

Report # _____
 Year 2018

Project Manager Ruben

Superintendent Andrew Williams

Work Performed Today <u>Repair containment & Begin gross Removal</u>		Weather: <u>Cloudy Sunny</u>	
		Temp. Hi <u>88°</u> Low <u>79°</u>	
<u>6:30</u>	<u>Safety meeting: Cuts & Eye Protection</u>	Safety Meeting	
		Topic: <u>Cuts</u>	
<u>7:00</u>	<u>Make repairs to containment Get neg air pressure back up to .022</u>	Work Force	
		Number	
		Project Manager	
		Project Supervisor <u>1</u>	
		Operators	
		Laborers	
		Tradesmen <u>2</u>	
		Other:	
		Other:	
		Other:	
<u>10:30</u>	<u>Neg air pressure .028 Begin demolition of walls and ceiling in room 112 (front bedroom front living room)</u>	Materials Used	
		Quantity	
		<u>6 mil Poly</u> <u>1</u>	
		<u>6 mil Tape</u> <u>3 rolls</u>	
		<u>Spray glue</u> <u>3 cans</u>	
<u>11:30</u>	<u>lunch</u>		
<u>12:30</u>	<u>Continue demolition of room 112</u>		
<u>2:45</u>	<u>Stop demolition - Bag and stage debris</u>		
<u>3:50</u>	<u>shower out containment</u>		
		Material Purchased/Delivered	

Problems - Delays, Safety Issues

Containment had fallen and needed repairs

Subcontractor Progress

Inspections

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite

JKS INDUSTRIES LLC DAILY PROJECT LOG

Job # 18-305
Date 09-11

Job Name: Kewit AP-70
Day Wednesday

Report # _____
Month Sept Year 2018

Project Manager Ruben

Superintendent Andrew Williams

Work Performed Today <u>Gross removal in rooms 712</u>		Weather: <u>Cloudy Sunny</u>	
		Temp. Hi <u>88</u> Low <u>65</u>	
<u>6:30</u>	<u>Safety meeting: Falls & ladder inspection</u>	Safety Meeting	
		Topic: <u>Falls</u>	
		Work Force	Number
		Project Manager	
		Project Supervisor	<u>1</u>
		Operators	
		Laborers	
		Tradesmen	<u>2</u>
		Other:	
		Other:	
		Other:	
		Materials Used	Quantity
<u>7:00</u>	<u>Continue Gross removal of walls & ceiling in rooms 712</u>		
<u>10:00</u>	<u>stop work to make repairs to containment in order to maintain neg air pressure</u>		
<u>11:30</u>	<u>lunch</u>		
<u>12:30</u>	<u>Continue with demolition and bagging of debris</u>		
<u>3:00</u>	<u>Stop work cleanup work area prep a area for load out in the morning</u>		

Problems - Delays, Safety Issues

Delays: Work area is becoming crowded with bag hoping for more workers to do loadout

Subcontractor Progress

Inspections

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite

JKS INDUSTRIES LLC DAILY PROJECT LOG

Job # 18-305
Date 09-13

Job Name: Kiewit AP-70
Day Thursday Month Sept

Report # _____
Year 2018

Project Manager Ruben

Superintendent Andue Williams

Work Performed Today	<u>load out & Gross Removal</u>	Weather: <u>Sunny</u>
<u>6:30</u>	<u>Safety Meeting: House Keeping</u>	Temp. Hi <u>95°</u> Low <u>61°</u>
<u>7:00</u>	<u>Start doing load out</u>	Safety Meeting Topic: <u>House Keeping</u>
		Work Force Number
		Project Manager
<u>10:00</u>	<u>Done with loadout containers to finishup rooms 1&2 and Begin Gross Removal in room 3</u>	Project Supervisor <u>1</u>
		Operators
		Laborers
		Tradesmen <u>4</u>
<u>11:30</u>	<u>lunch</u>	Other:
		Other:
<u>12:30</u>	<u>Completely done with room 1 70% done with room 2</u>	Other:
		Materials Used
		Quantity
<u>3:00</u>	<u>Cleanup work area wet and seal asbestos bags</u>	
<u>3:45</u>	<u>shower out</u>	
		Material Purchased/Delivered

Problems - Delays, Safety Issues

Safety Issues was corrected two more workers was added to job

Subcontractor Progress

Inspections

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite

